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An Analysis of the School Buildings of McMinn County in Terms of the Requirements for New Buildings set forth in the Rules and Regulations, 1950, of the Tennessee State Board of Education

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To the Graduate Council:

I am submitting herewith a thesis written by Oran M. Reed entitled "An Analysis of the School Buildings of McMinn County in Terms of the Requirements for New Buildings set forth in the Rules and Regulations, 1950, of the Tennessee State Board of Education." I have examined the final electronic copy of this thesis for form and content and recommend that it be accepted in partial fulfillment of the requirements for the degree of Master of Science, with a major in Educational Administration.

John W. Gilliland, Major Professor

We have read this thesis and recommend its acceptance:

S. Belt Keathley, Louis Swanson

Accepted for the Council:

Carolyn R. Hodges

Vice Provost and Dean of the Graduate School

(Original signatures are on file with official student records.)

June 21, 1951

To the Graduate Council:

I am submitting herewith a thesis written by Oran Matney Reed entitled "An Analysis of the School Buildings of McMinn County in Terms of the Requirements for New Buildings set forth in the Rules and Regulations, 1950, of the Tennessee State Board of Education." I recommend that it be accepted for nine quarter hours of credit in partial fulfillment of the requirements for the degree of Master of Science, with a major in Educational Administration and Supervision.

John W. Gilliland
Major Professor

We have read this thesis
and recommend its acceptance:

Abelt Keathley

Louis Swanson

Accepted for the Council:

E. R. Waters
Dean of the Graduate School

**AN ANALYSIS OF THE SCHOOL BUILDINGS OF MCMINN COUNTY
IN TERMS OF THE REQUIREMENTS FOR NEW BUILDINGS
SET FORTH IN THE RULES AND REGULATIONS, 1950,
OF THE TENNESSEE STATE BOARD OF EDUCATION**

A THESIS

**Submitted to
The Graduate Council
of
The University of Tennessee
in
Partial Fulfillment of the Requirements
for the degree of
Master of Science**

by

Oran Matney Reed

August 1951

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CHAPTER I

INTRODUCTION - STATEMENT OF PROBLEM

Introduction

In the summer of 1949 the McMinn County School Superintendents and representatives of the College of Education of the University of Tennessee held a conference for the purpose of organizing a program of study and improvement of the McMinn County Schools. This conference resulted in the formation of a group of representative McMinn County school people which included the county and city school superintendents, supervisor, attendance teacher, and interested principals and teachers of McMinn County.

The group first met in September of 1949 under the guidance of professors of the College of Education. These meetings continued through Fall, Winter, and Spring quarters, and some meetings were held during the summer of 1950. The sessions consisted of approximately five hours each. Objectives formed by the group were:

1. Survey of present physical conditions of the buildings and grounds
2. Survey of school plant utilization
3. Survey of population status and trends
4. Survey of transportation system

exist in each school are evaluated.

The minimum requirements for new school buildings set forth in the 1949-50 Rules and Regulations of the Tennessee State Board of Education are the criteria used in studying each school and, therefore, the writer quotes herewith these requirements.

1949-50 RULES AND REGULATIONS, TENNESSEE STATE

BOARD OF EDUCATION PART III, Section A....

4. The following minimum requirements shall obtain for the approval of schools in new buildings provided that Item (2), (6), (7), and (18) herein shall apply to all buildings:

For the reason that in the metropolitan areas in which most non-equalizing school systems are located building codes are in effect, the following requirements for the approval of sites and buildings do not apply to non-equalizing school systems, pending further study.

a. School Site

The site shall be of sufficient size to care for a total program of public education. In order to provide this service, the site shall contain a minimum of four acres of usable land for any combination of grades one through eight, and eight acres for any combination of grades seven through twelve, and eight acres for any 12-grade school. In addition to these basic requirements there shall be one acre for each 100 pupils of anticipated enrollment. The site shall be well cared for. It should be properly landscaped.

b. Building

Each school building, regardless of size or shape, should be planned for maximum use. In order that this objective may be realized, economical expansion and flexibility should

be provided for. Both preliminary and final plans and specifications of each new school building and each major remodeling of existing buildings shall be presented to the Commissioner of Education for approval before being submitted for bids.

- (1) All primary corridors in buildings containing ten or more rooms shall be at least 10' wide. No corridor, primary or secondary, shall be less than 8' wide. All corridor ceilings shall be at least 9'6" high.

- (2) Exits

All buildings, except one-teacher buildings, shall have at least two exits remote from each other, and the total exit facilities of any school building shall be at least 22" in width for each 100 people to be housed at any one time. (Fractional units shall not count.) No exit door shall be less than 36" wide.

- (3) Heights

All buildings of frame construction shall be only one story high. All 2-story buildings shall have fire-resistant corridors and fire-resistant stairways, and all buildings of 3 or more stories shall be at least of fire-resistant material except doors, windows, floor covering over concrete, and roof construction above concrete.

- (4) Office Space

Each school plant of 6 or more teachers shall provide at least 300 sq. ft. of floor area for office space. Proper facilities for filing records shall be provided. Larger schools should be provided with proportionally larger office areas and should have a fireproof vault for storage.

(5) Clinics

In schools having from 6 to 10 teachers, part of the office space may be used for clinical services. In schools having more than ten teachers, separate space should be provided for clinical services.

(6) Toilets

Toilet rooms for each sex shall be provided, and there shall be at least one water closet for each 30 girls and one for each 40 boys. In addition, there shall be a urinal for each 40 boys. Lavatories shall be provided in all toilet rooms in the ratio of one fixture for each 50 pupils. If running water is not available, standard sanitary outdoor toilets shall be provided which meet the standards set up by the State Department of Public Health.

(7) Drinking Water

A protected source of drinking water shall be provided which will meet sanitary requirements for purity as set up by the State Department of Public Health; and if running water is available in the building, one drinking fountain shall be provided for each 30 pupils enrolled.

(8) Classrooms

All classrooms for grades one through 3 shall have a minimum floor space of 20 sq. ft. per pupil in existing building; 22 sq. ft. in new construction (33 sq. ft. recommended.) All classrooms for grades 4 through 12 shall have a minimum floor space of 20 sq. ft. per pupil; 22 sq. ft. in new construction.

(9) Science Laboratories

Science laboratories shall have a minimum floor space of 30 sq. ft. per pupil (35 sq. ft. is desirable). Storage

space shall be provided and shall be in addition to the floor space requirement mentioned above.

(10) Homemaking Laboratories

Combination homemaking laboratories shall have a minimum floor space of 45 sq. ft. per pupil, and in addition to this requirement, there shall be, in connection with the homemaking department a living room - dining room, rest rooms, and storage closets.

(11) Library

In all schools embracing grades one through 8 or any combination of these grades and having 15 teachers or more, a library of at least classroom size shall be provided; in all schools embracing grades one through 12 and in all schools embracing any combination of grades 7 through 12, a library shall be provided large enough to house 10 per cent of the enrollment, plus the largest class in the school. This space shall be computed on the basis of 20 sq. ft. per pupil to be accommodated in existing buildings and 25 sq. ft. in new construction. Extra space shall be provided for a work room supplied with shelving, work table, and running water. A conference room is desirable.

(12) Commercial Rooms

In all commercial rooms, there shall be a minimum floor area of 30 sq. ft. per pupil.

(13) Art Rooms

In all art rooms, there should be a minimum floor space of 35 sq. ft. per pupil.

(14) Music Rooms

A music room is desirable, and when provided, should have a floor area of 25 sq. ft. per pupil for the largest class accommodated. Band rooms and orchestra rooms should be larger, the size depending upon the number of pupils to be accommodated in an individual band or orchestra class.

(15) Agriculture Rooms

If agriculture is taught in a given school, a typical classroom and a shop with 60 sq. ft. per pupil should be provided. The shop space shall include all necessary storage.

(16) Ceiling Height

The ceiling height of all classrooms shall average at least 11 ft.

. . .

(23) Storage Space

Locker space for teaching materials shall be provided in each classroom. Lockers, wardrobes, or cloak rooms shall be provided for pupils' wraps, preferably in the classroom of grades one through six and in the corridors for grades 7 through twelve.

(24) Auditorium

The size of the school auditorium will vary according to the size of the school, school policies, and program, extent of community use, and availability of other facilities in the community. Seating capacity should be calculated on the basis of 7 sq. ft. per person. Stage and dressing rooms should be planned in keeping with the total needs.

(25) Cafeteria

All schools should be provided with the necessary facilities for food service.

Space should be made available so that the children can be served quickly and efficiently in not more than three shifts. It is desirable to serve all children in two shifts when possible. Size of space needed should be determined by allowing 10 sq. ft. per child to be served at any one time in addition to kitchen and necessary storage space.

(26) Health Education Facilities

Health education facilities, both indoors and outdoors, should be provided in all schools. These facilities will vary from the regular classroom and outdoor facilities of the one-teacher school to the large physical education buildings of the larger schools. In most instances, for lower grade schools, the play room is more acceptable than the traditional large gymnasium which is used primarily for varsity basketball. The number and size of play rooms will vary with the size of the school unit. Locker and shower space¹ is essential to a functioning program.

Presentation of Study

The writer proceeded with this survey study in the following manner: each of the 48 schools was visited and a floor plan of each building was drawn. Actual measurements were taken for each room in the building, the exit doors as well as inside doors, the windows, corridors, ceiling height of corridors and classrooms. The number of desks in each classroom, cafeteria, library, and auditorium in each school was taken from the questionnaire which was completed

¹Tennessee State Board of Education, 1949 - 50 Rules And Regulations, Nashville, Tenn., May, 1949

by each school in 1950 for the McMinn County Survey Group. The acreage of each school site and the number of toilet facilities in each school were also obtained from the above questionnaire. The net enrollment for each school for the year 1949-50 and the number of teachers in each school for the same year were obtained from the County Superintendent's and City Superintendent's offices.

When the necessary material had been collected and assembled, the writer was then ready to compare the existing conditions in each school with the minimum requirements for new buildings.

In order to better analyze the school buildings, the schools were grouped according to the number of grades each one contained and the city elementary schools were treated separately from the county elementary schools.

Chapter II deals with the city schools of Athens and Etowah, respectively. There are four schools in the city system of Athens and two schools in the city system of Etowah. These are the only city schools in the county.

Chapter III is concerned with the county elementary schools which house grades 1 through 8. There are thirty-five of these schools which are grouped according to one-teacher, two-teacher, or three-or-more teacher schools. There are fifteen one-teacher schools, eleven two-teacher schools, and nine three-or-more teacher schools.

Chapter IV deals with the elementary-junior high schools in the county. There are three of these schools, two of which contain grades 1 through 10 and one which contains grades 1 through 9.

Chapter V covers the junior-senior high schools in the county. There are two county schools which embrace grades 1 through 12 and there is one school which is both city and county but which houses grades 1 through 12 and is, therefore, classed with the county junior-senior high schools.

Chapter VI deals with the two county senior high schools.

Each school has been studied carefully and the adequacies and inadequacies of the existing building ascertained.

In the concluding chapter, the total forty-eight schools are summarized as to adequacy or inadequacy of each minimum requirement. From this information, the writer then attempts to point out the major needs of the school buildings as a whole and to make recommendations.

CHAPTER II

CITY SCHOOLS

There are four schools in the Athens City School System; Forest Hill, Ingleside, North City, and Cook. Each school is an elementary school embracing grades 1 through 8. Since Cook School and Cook High School, which are a part of the county school system, are housed in the same building, the two schools are treated as one school and included in Chapter V, County Junior-Senior High Schools. This chapter covers all schools which house grades 1 through 12 in one building.

The following items do not exist in the above four schools and therefore are not considered: (9) Science Laboratories, (10) Homemaking Laboratories, (12) Commercial Rooms, (13) Art Rooms, (14) Music Rooms, and (15) Agriculture Rooms. The items which do exist and which are considered are: School Site, (1) Corridors, (2) Exits, (3) Heights, (4) Office Space, (5) Clinics, (6) Toilets, (7) Drinking Water, (8) Classrooms, (11) Library, (16) Ceiling Height, (23) Storage Space, (24) Auditorium, (25) Cafeteria, and (26) Health Education Facilities. The extent to which the classrooms of each school fulfill the requirement for Item (8) Classroom is given in Table I on page 16 .

Forest Hill School

Forest Hill school site contains three acres of land and thus does not meet the requirements for school site. The enrollment for the school year 1949-50 was 604 and therefore an additional six acres of land is needed besides the basic requirement of four acres, making a total of ten acres of land.

Three buildings make up the school plant and they shall be referred to as Building #1, #2, or #3. Building #1 has one-story and is constructed of brick. It houses four classrooms. Building #2 is a two-story building and of brick construction. The first floor consists of the auditorium and the cafeteria is in the basement. Building #3 is a three-story building of brick construction. It houses eleven classrooms, library, office, and boys' and girls' toilets.

There are no corridors in Buildings #1 and #2. There are two primary corridors in Building #3; one is 10' wide and the other 12' wide, both of which meet the required measurement of 10'. There is one secondary corridor 4'7" wide and thus the required measurement of 8' is not met.

There are three exits remote from each other in Building #1. The doors are 36" wide and total exit facilities allow 49" per 100 students. There are five exits remote from each other in Building #2. The doors are 36" wide and total exit facilities allow 54" per 100 people to be housed at any

one time. There are six exits remote from each other in Building #3. The doors are 36" wide and total exit facilities allow 59" per 100 people to be housed at any one time. The exits are adequate as to number, width, and distribution throughout the buildings.

Building #1 meets the requirements for a one-story building; however, Buildings #2 and #3 do not meet requirements for a two and three-story building since they do not have fire-resistant corridors and stairways.

Only 230 sq. ft. of office space is allowed. Since there are 16 teachers in the school, at least 300 sq. ft. should be provided for office space.

Part of the office space is used for clinical services. In order to meet requirements for Item (5) Clinics, separate space should be provided.

The requirements for Item (6) Toilets are partially fulfilled. The enrollment for 1949-50 of 285 girls and 319 boys was used in the calculation. There is one water closet for each 22 girls and one for each 32 boys; both of these ratios meet requirements. There is only one urinal for each 79 boys where there should be one for each 40 boys. There is a lavatory for each 38 students, and thus the requirement is met.

There is running water inside the building, the source of which is approved by the State Department of Public Health.

There are fifteen classrooms, eight of which fulfill the requirement of 20 sq. ft. floor space per pupil, and seven do not meet the requirement. The extent to which the requirement is fulfilled by each classroom may be seen in Table I on page 16 .

There is a library of classroom size which allows a floor space of 20 sq. ft. per child and, therefore, meets requirements for Item (11) Library.

The ceiling height of all classrooms is 12' which meets the required height of 11'.

Requirements for Item (23) Storage Space are only partially fulfilled since only nine of the classrooms have cloakrooms provided.

There is an adequate auditorium which has a capacity of 632 and contains seating facilities for 575. There is a stage with two dressing rooms in connection with the auditorium.

The cafeteria has a floor space of 14 sq. ft. per child to be served and thus exceeds the required 10 sq. ft. per child. It has 240 seats which would allow all children to be served in three shifts. The kitchen and storage are separate from the lunch room.

The requirements for Item (26) Health Education Facilities are only partially fulfilled. There is a well equipped outdoor playground but the only indoor facilities

available, a small play area in the auditorium, are not adequate.

TABLE I

CLASSROOMS - ATHENS CITY SCHOOLS

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Forrest Hill						
1	23x30	35	48	13		14
2	24x30	36	45	9		16
3	23x39	45	41		4	22
4	28x39	55	37		18	29
5	24x31	37	38	1		19
6	23x30	35	35	0	0	20
7	24x30	36	39	3		18
8	22x34	37	30		7	25
9	20x31	31	40	9		16
10	21x30	32	44	12		14
11	21x30	32	44	12		14
12	21x30	32	32	0	0	20
13	21x30	32	33	1		19
14	22x28	31	34	3		18
15	23x30	35	10		25	69
Ingleside						
1	24x28	34	33		1	20
2	24x28	34	33		1	20
3	19x30	29	31	2		18
4	19x28	26	38	12		14
5	19x30	29	30	1		19
6	16x19	15	25	10		12
7	19x30	29	38	9		15
8	19x32	30	50	20		12
9	19x30	29	38	9		15
10	19x32	30	49	19		12
11	19x30	29	26		3	22
North City						
1	20x26	26	36	10		14
2	20x26	26	38	12		13
3	20x26	26	37	11		14
4	20x26	26	36	10		14
5	20x26	26	40	14		13
6	20x26	26	34	8		15
7	20x26	26	37	11		14
8	20x26	26	32	6		13

CLASSROOMS - ATHENS CITY SCHOOLS (Continued)

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
North City (Continued)						
9	20x28	28	36	8		16
10	20x28	28	52	24		11
11	20x28	28	40	12		14
12	20x28	28	36	8		16

Ingleside School

Ingleside school site contains ten acres of land. This acreage meets the requirements for School Site since the enrollment for the school year 1949-50 was 425 and therefore only eight acres are needed.

There is one primary corridor which is 8' wide and therefore does not meet the required width of 10'.

There are six exits remote from each other and adequately distributed. Four of these consist of double doors, each 36" wide; two are single doors, each 36" wide, leading from dressing rooms off the stage. The total exit facilities allow 90" per 100 students or per 100 people to be housed at any one time; therefore, the requirements for Item (2) Exits are met in full.

Requirements for Item (3) Heights are met in full. The building is one story high and of brick construction. There is an additional building of wooden construction which houses two classrooms and boy and girl restrooms.

Only 192 sq. ft. of office space is provided in this school plant of twelve teachers; 300 sq. ft. should be provided in order to meet requirements.

Part of the office space is used for clinical services. In order to meet requirements for Item (5) Clinics, separate space should be provided.

Requirements are not met for Item (6) Toilets. The

enrollment for 1949-50 of 213 girls and 212 boys was used in the calculation. There is only one water closet for each 42 girls where there should be one for each 30 girls; there is one water closet for each 42 boys where there should be one for each 40 boys; there is only one urinal for each 71 boys where there should be one for each 40 boys; and there is only one lavatory for each 85 students where there should be one for each 50 students.

There is running water inside the building, the source of which is approved by the State Department of Public Health.

There are eleven classrooms, eight of which are inadequate and three of which meet the requirement of 20 sq. ft. of floor area per pupil. The pupil capacity and number of desks in each classroom may be seen in Table I on page 16.

There is no classroom for a library and since the school has less than fifteen teachers, a library is not needed for approval. However, one of the dressing rooms off the stage is used as a library and the stage is used as a reading room. The stage has a pupil capacity of 31 and the tables and chairs can be moved easily when the stage is needed.

The ceiling height of all classrooms is 11'7" thus meeting the required height of 11'.

The requirements for Item (23) Storage Space are not met in full. There are cloakrooms in eight of the eleven classrooms.

There is an auditorium with a seating capacity of 315 and there are 320 seats, giving an average of just a little less than the required 7 sq. ft. per person. Adequate stage space and dressing rooms are provided.

There is no cafeteria but plans are being made to provide for one for the school year 1950-51.

There is no indoor playroom nor health education facilities. There is a well-equipped outdoor playground. The school has the use of the older gymnasium at Tennessee Wesleyan College. Requirements are therefore only partially fulfilled for Item (26) Health Education Facilities.

North City School

North City school site contains ten acres of land and therefore fulfills the requirements for School Site. Since the enrollment for 1949-50 was less than 500, only eight acres are needed.

There are two primary corridors, each of which is 9' wide. Since the corridors should be 10' wide, the requirements for Item (1) Corridors are not met.

There are four exits remote from each other. They consist of double doors, each of which is 36" wide. The total exit facilities allow 72" per 100 pupils. The exits are well distributed and seem adequate to meet requirements.

The building is of one story and of brick construction.

There is an additional building which is of concrete block construction and which houses the cafeteria. The requirements for Item (3) Heights are met in full.

There is an office with a floor area of 448 sq. ft. For this school plant of thirteen teachers there should be at least 300 sq. ft. provided; therefore, the requirement is met and exceeded.

Part of the office space is used for clinical services. Since there are more than ten teachers, separate space should be provided in order to fulfill requirements for Item (5) Clinics.

The requirements for Item (6) Toilets are partially fulfilled. The enrollment, 236 girls and 230 boys, for 1949-50 was used in the calculation. There is one water closet for each 26 girls and one water closet for each 38 boys. Both of these ratios meet requirements. However, there is only one urinal for each 115 boys where there should be one for each 40 boys, and there is only one lavatory for each 155 students where there should be one for each 50 students.

There is running water inside the building, the source of which is approved by the State Department of Public Health.

There are twelve classrooms and all are far short of meeting the requirement of 20 sq. ft. floor area per pupil. The extent to which the rooms are overcrowded may be seen in Table I.

A room with a pupil capacity of 22 is used as a library. However, although the school embraces grades one through eight and since there are less than fifteen teachers in the school, the school does not have to provide a library in order to be approved.

The ceiling height of all classrooms is 12' and thus the requirements of 11' are met.

There is storage space provided in each of the twelve classrooms for the pupils to hang their wraps; therefore, the requirements for Item (23) Storage Space are fulfilled.

There is an adequate auditorium with a seating capacity of 414 and a stage with dressing rooms is provided. Since there are no stationary seats, folding chairs are used.

The cafeteria is housed in a concrete block building separate from the main building. The kitchen, storage, and eating area are all together. There is a seating space with a floor area of 840 sq. ft. and thus a pupil capacity of 84 is given. There are 100 chairs, which actually allows 8 sq. ft. per child to be served where 10 sq. ft. should be allowed. The cafeteria is very inadequate and does not meet requirements. All children could not be served in three shifts.

The auditorium is used as an indoor playroom; however, facilities are not adequate to fulfill requirements for Item (26) Health Education Facilities.

Summary - Athens City Schools

Two of the schools meet and exceed the required acreage and one school lacks six acres meeting the requirement for School Site.

None of the schools meets the requirements for Item (1) Corridors.

All three schools fulfill the requirements for Item (2) Exits.

Only two of the schools fulfill the requirements for Item (3) Heights and these are both one-story buildings. Forest Hill, a three-story building does not meet requirements since its stairways and corridors are not fire resistant.

Only one school, North City, fulfills the requirement for Item (4) Office Space.

None of the schools fulfills requirements for Item (5) Clinics. In order to do so, each school should provide separate space for clinical services.

None of the schools fulfills requirements for Item (6) Toilets. Forest Hill needs 4 more urinals to fulfill requirements; Ingleside needs 2 water closets for girls, 2 urinals, and 3 lavatories to fulfill requirements; North City needs 4 urinals and 6 lavatories to fulfill requirements.

All schools fulfill requirements for Item (7) Drinking Water. The source of drinking water for each school is

approved by the State Department of Public Health.

None of the schools wholly fulfills requirements for Item (8) Classroom. The number of classrooms varies from 11 to 15 and the majority of these do not meet requirements.

Forest Hill is the only school which is required to provide a library in order to meet requirements for Item (11) Library. However, all three schools have libraries which are adequate.

All the schools meet the requirement for Item (16) Ceiling Height.

Only one school, North City, fulfills requirements for Item (23) Storage Space. This school has a cloakroom in each classroom. The other schools provide storage space but it is inadequate.

All the schools have an auditorium which meets the requirements for Item (24) Auditorium.

Only one school, Forest Hill, has an adequate cafeteria and fulfills requirements for Item (25) Cafeteria. Ingleside has no cafeteria and the cafeteria at North City is very inadequate.

None of the schools fulfills requirements for Item (26) Health Education Facilities. No indoor play facilities are provided in addition to the outdoor playground.

Etowah City Schools

The two schools in the Etowah City School System are Etowah Grammar School and Etowah Junior High School. The grammar school embraces grades 1 through 5 and the junior high school, grades 6 through 8. The items under minimum requirements which do not exist in these schools and therefore cannot be considered are: (9) Science Laboratories, (10) Homemaking Laboratories, (12) Commercial Rooms, (13) Art Rooms, (14) Music Rooms, and (15) Agriculture Rooms. The items which do exist and which are considered are: School Site, (1) Corridors, (2) Exits, (3) Heights, (4) Office Space, (5) Clinics, (6) Toilets, (7) Drinking Water, (8) Classrooms, (11) Library, (16) Ceiling Height, (23) Storage Space, (24) Auditorium, (25) Cafeteria, and (26) Health Education Facilities. The extent to which the classrooms of each school fulfill the requirement for Item (8) Classroom is given in Table II on page 29 .

Etowah Grammar School

Etowah Grammar school site contains four acres of land and the school had a net enrollment of 340 for the school year 1949-50. In order to meet requirements for School Site, there should be three additional acres of land, to make a total of seven acres.

The school plant consists of two buildings which shall be referred to as the older building and the newer building.

There are two corridors in the older building, one primary corridor 22' wide and one secondary corridor, 8' wide; both meet the required measurements. In the newer building, there is one 10' wide primary corridor which meets requirements and one 4' wide secondary corridor which does not meet the required 8' width.

There are three exits on the main floor of the older building. Two of these consist of double doors each 36" wide and the other is a single door 36" wide. The exits are remote from each other and well distributed. There is a fire escape on either side of the building allowing exit from all four classrooms on the second floor; however, windows are used rather than doors. There are no fire escapes in the newer building. There are three exits on the main floor of the building, one consisting of double doors and the other two of single doors, 36" wide. The total exit facilities for the older building average 60" per 100 students and for the newer building, 54" per 100 students. The exits meet the required measurements.

Both buildings have two-stories and are of brick construction. All corridors and stairways are of wooden construction; therefore, neither building meets the requirements

for a two-story building.

There is an office with a floor area of 242 sq. ft. There should be at least 300 sq. ft. provided since the school has thirteen teachers.

Part of the office is used for clinical services. To meet requirements for Item (5) Clinics, separate space should be provided.

Requirements for Item (6) Toilets are only partially met. The enrollment of 150 girls and 190 boys for 1949-50 was used in the calculation. There is one water closet for each 30 girls which is adequate; there is one water closet for each 47 boys where there should be one for each 40 boys; there is one urinal for each 63 boys where there should be one for each 40 boys. The lavatories are adequate since they are in the ratio of one for each 38 students.

There is running water inside the building and its source is approved by the State Department of Public Health.

There are a total of twelve classrooms and nine of these fulfill the state requirement of 20 sq. ft. floor area per child. More detailed information concerning each classroom may be found in Table II.

The building has no separate classroom for a library; therefore, the requirements for Item (11) Library are not met. However, on the corridor of the second floor of the older building, there is a railing enclosed portion which is used as a library and which contains library books and a check-out

desk.

The ceiling height of all classrooms is 12' in the newer building and 13'3" in the older building; therefore, the requirement of 11' is met.

In the older building there is storage space which seems adequate to fulfill requirements for Item (23) Storage Space since each of the seven classrooms has a cloakroom. However, in the newer building there is no storage space and the pupils must hang their wraps in the corridors.

There is an auditorium which is used altogether as an indoor playroom. The school has use of the Junior High School auditorium which is two blocks away.

There is a cafeteria which is very inadequate. It is housed in the older building and the square footage is totally inadequate to meet state requirements. There is a kitchen with storage space separate from the lunch room.

The requirements for Item (26) Health Education Facilities are met since there is an indoor playroom with 2480 sq. ft. floor area and an outdoor playground.

TABLE II

CLASSROOMS - ETOWAH CITY SCHOOLS

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Etowah Grammar						
1	22x28 10x25	43	29		14	30
2	22x28 10x25	43	21		22	41
3	21x22 10x18	32	29		3	22
5	22x28 10x25	43	29		14	30
6	22x28 10x25	43	28		15	31
7	22x28 10x25	43	32		11	27
8	22x28 10x25	43	29		14	30
10	22x28	31	35	4		17
11	22x32	35	31		4	23
12	22x32	35	36	1		19
13	20x36	36	28		8	26
14	22x32	35	36	1		19
Etowah Jr. High						
1	21x30	32	36	4		18
2	21x30	32	35	3		18
3	21x30	32	33	1		19
4	21x21	22	22	0	0	20
5	21x21	22	22	0	0	20
6	21x30	32	33	1		19

Etowah Junior High

Etowah Junior High school site covers four acres of land. To fulfill requirements for School Site there should be four acres plus two additional acres, to make a total of six acres. The enrollment for the school year 1949-50, 208, makes the two additional acres necessary.

There are two primary corridors 11' wide, thus meeting the required basic measurement of 10'.

At the front of the building is one exit consisting of double doors, each 36" wide; there are three exits on remote sides of the auditorium leading to fire escapes; there are three exits remote from each other leaving the basement. The total exit facilities average 31" per 100 people to be housed at any one time. Since the capacity of the auditorium is 630, the figure 700 was used in this calculation. The exits fulfill requirements as to measurements.

The three-story building is of brick construction. The corridors and stairways are wooden and far from fire-resistant; therefore, the building does not meet the requirements for a three-story building.

For the City Superintendent, there is an office which has a floor area of 270 sq. ft.; there is also an office of the same size for the principal and teachers. There are seven teachers in the school and the requirements for Item (4) Office Space are not met since at least 300 sq. ft. should be

provided.

Part of the office space is used for clinical services; this is permissible since there are less than ten teachers. However, adequate facilities are not provided as the only equipment available is a first-aid kit and other medicines.

The requirements for Item (6) Toilets are partially met. The enrollment for 1949-50, 96 girls and 112 boys, was used in the calculation. There is only one water closet for each 32 girls where there should be one for each 30 girls; for each 28 boys there is one water closet which is adequate since there should be one for each 40 boys; there is only one urinal for each 56 boys where there should be one for each 40 boys; there is one lavatory for each 52 students where there should be one for each 50 students.

There is running water inside the building and its source is approved by the State Department of Public Health.

There are six classrooms which do not wholly fulfill requirements for Item (8) Classroom. The extent to which the requirement of 20 sq. ft. floor area per pupil is fulfilled may be seen in Table II.

There is a library which exceeds the requirements for Item (11) Library. The library contains seating facilities for 36 pupils but it has a floor area which gives a pupil capacity of 65.

The ceiling height of all classrooms is 12' and therefore the requirement of 11' is met.

Requirements for Item (23) Storage Space are not met since no space is provided for the pupils' wraps other than hooks in the corridors.

There is an adequate auditorium which has 550 seats and has a seating capacity of 630. A stage with dressing rooms is provided.

There is a cafeteria which meets requirements in full. The cafeteria has a pupil capacity of 93 and has seating facilities for 72 pupils. Kitchen and storage space are provided and are separate from the lunch room.

Requirements for Item (26) Health Education Facilities are not fulfilled since no indoor facilities are provided; there is only an outdoor playground.

Summary - Etowah City Schools

Neither school fulfills the requirement for School Site; Etowah Grammar needs three additional acres and Etowah Junior High needs two.

Only one school, Etowah Jr. High, fulfills the requirements for Item (1) Corridors.

Both schools fulfill requirements for Item (2) Exits. There might be a question as to whether Etowah Grammar fulfills the requirement in view of the fact that there is no fire

escape from the second floor of the newer building and the only exit is down the two stairways. However, if the requirements for Item (3) Heights could be fulfilled, i.e., if the stairways were fire-resistant, then a fire escape would not be entirely necessary.

Neither school fulfills the requirements for Item (3) Heights. Both schools are two-story buildings and do not have fire-resistant corridors and stairways.

Neither school has adequate office space to fulfill requirements for Item (4) Office Space.

Neither school meets requirements for Item (5) Clinics.

Neither school fulfills requirements wholly for Item (6) Toilets. Etowah Grammar needs 1 additional water closet for boys and at least 2 urinals to fulfill requirements; Etowah Jr. High needs 1 urinal to fulfill requirements.

Both schools fulfill requirements for Item (7) Drinking Water. The source of drinking water in each school is approved by the State Department of Public Health.

Neither school wholly fulfills the requirement for Item (8) Classroom. Etowah Grammar has nine classrooms out of twelve and thus fulfills the requirement, and Etowah Jr. High has two out of six and thus fulfills the requirement.

The library at Etowah Jr. High fulfills the requirements for Item (11) Library. Etowah Grammar has no library.

Both schools fulfill the requirement for Item (16)

Ceiling Height.

Neither school provides enough storage space to fulfill requirements for Item (23) Storage Space.

At Etowah Jr. High, the auditorium which is used by both schools, fulfills requirements for Item (24) Auditorium. Etowah Grammar has no auditorium but one is needed, particularly for use during the winter months when it is too cold for the children to go to Jr. High.

Both schools have a cafeteria; the one at Jr. High is adequate and the one at Grammar School is very inadequate. Plans are underway for a new cafeteria there, however.

Etowah Grammar fulfills the requirements for Item (26) Health Education Facilities and Etowah Jr. High does not.

CHAPTER III

COUNTY ELEMENTARY SCHOOLS, GRADES 1 THROUGH 8

There are thirty-five county elementary schools in McMinn County, embracing grades 1 through 8. These schools fall into one of three classifications; namely, one-teacher, two-teacher, or three-or-more teacher schools.

One-Teacher Schools

There are fifteen elementary schools which have only one teacher. Since not all the items under requirements for new buildings exist in these schools, only those which do exist are considered. The items considered are: (A) School Site, (2) Exits, (3) Heights, (6) Toilets, (7) Drinking Water, (8) Classroom, (16) Ceiling Height, (23) Storage Space, and (26) Health Education Facilities. The items not considered are: (1) Corridors, (4) Office Space, (5) Clinics, (9) Science Laboratories, (10) Homemaking Laboratories, (11) Library, (12) Commercial Rooms, (13) Art Rooms, (14) Music Rooms, (15) Agriculture Rooms, (24) Auditorium, and (25) Cafeteria.

In the individual write-up of each school the requirements which are fulfilled by all the schools are not mentioned since they are given in the summary. The requirements which are not fulfilled by all the schools are listed on Chart I on

page 39 , together with the adequacy or inadequacy of each school. The degree or extent to which the classroom in each school fulfills the requirement for Item (8) Classroom is given in Table III on page 37.

Clay Hill

The school site for Clay Hill School contains one acre of land and therefore does not meet the minimum requirement of four acres.

There is one exit which consists of a single door 36" wide and therefore meets the requirement.

The one classroom has a floor space of 34 sq. ft. per pupil and therefore meets and exceeds the requirement of 20 sq. ft. per pupil.

The classroom ceiling height, 9'3", does not meet the required height of 11'.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The school does not meet requirements for Item (26) Health Education Facilities since there is only an outside playground and there are no indoor facilities.

TABLE III

CLASSROOMS - ONE-TEACHER SCHOOLS

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Clay Hill (1)	23x30	35	20		15	35
Fairview (1)	19x33	31	28		3	22
Gravel Hill (1)	22x24	26	34	8		15
Lanetown* (1)	22x35	39	39	0	0	20
Mt. Lebanon (1)	23x35	40	32		8	25
New Salem* (1)	15x20	15	22	7		14
Oak Grove* (1)	23x43	49	24		25	41
Piney* (1)	24x25	30	15		15	40
Piney Grove (1)	15x32	24	28	4		17
Poplar Hill (1)	21x26	27	29	2		19
Rocky Mount (1)	25x35	44	34		10	26
Russell (1)	23x29	33	28		5	24
Shady Grove (1)	23x24	28	33	5		17

* colored school

CLASSROOMS - ONE-TEACHER SCHOOLS (Continued)

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Sharp's Chapel						
(1)	23x27	31	28		3	22
Zion Hill						
(1)	24x27	32	42	10		15

CHART I
ONE-TEACHER SCHOOLS

Minimum Requirements	Clay Hill School	Fair-view School	Gravel Hill School	Lane Town School*	Mt. Lebanon School	New Salem School*	Oak Grove School*
A. School Site-- at least 4 acres	1 acre	2 acres	1 acre	1 acre	1-1/4 acres	1 acre	1 acre
(8) Classrooms--floor space of 20 sq.ft. per pupil	3 1/4 sq. ft. per pupil	22 sq. ft. per pupil	15 sq. ft. per pupil	20 sq. ft. per pupil	25 sq. ft. per pupil	14 sq. ft. per pupil	41 sq. ft. per pupil
(16) Ceiling Height-- average at least 11'	9' 3"	11' 4"	9' 10"	10' 2"	11' 0"	10' 0"	12' 0"
(23) Storage Space-- Lockers, ward- robes, or cloak- rooms provided for pupils' wraps	None	cloak- room in class- room	none	none	cloak- room in class- room	none	cloak- room in class- room
(26) Health Education Facilities--both indoor and out- door facilities should be provided	play- ground no in- door facil- ities	indoor play- room & out- door play- ground	indoor play- room & out- door play- ground	play- ground no in- door facil- ities	play- ground & in- door play- room	play- ground no in- door facil- ities	play- ground no in- door facil- ities
(2) Exits--No exit doors less than 36" wide	doors 36" wide	doors 33" wide	doors 31" wide	doors 36" wide	doors 36" wide	doors 32" wide	doors 36" wide

* colored school

ONE-TEACHER SCHOOLS (Continued)

Minimum Requirements	Piney School	Piney Grove School	Poplar Hill School	Rocky Mt. School	Russell School	Shady Grove School	Sharp's Chapel School	Zion Hill School
A. School Site-- at least 4 acres	1 acre	1 acre	1-1/2 acres	4 acres	1/2 acre	2 acres	3 acres	2 acres
(8) Classrooms--floor space of 20 sq.ft. per pupil	40 sq. ft. per pupil	17 sq. ft. per pupil	19 sq. ft. per pupil	26 sq. ft. per pupil	24 sq. ft. per pupil	17 sq. ft. per pupil	22 sq. ft. per pupil	15 sq. ft. per pupil
(16) Ceiling Height-- average at least 11'	11' 6"	11' 0"	11' 0"	10' 3"	10' 6"	12' 0"	10' 8"	10' 0"
(23) Storage Space-- Lockers, ward- robes, or cloak- rooms provided for pupils' wraps	none	none	none	none	none	none	none	2 cloak- rooms
(26) Health Education Facilities--both indoor and out- door facilities should be provided	play- ground no in- door facil- ities	play- ground & in- door play- room	play- ground & in- door play- room	play- ground no in- door facil- ities	play- ground no in- door play- room	play- ground no in- door facil- ities	play- ground no in- door facil- ities	play- ground & in- door play- room
(2) Exits--No exit doors less than 36" wide	doors 32" wide	doors 36" wide	doors 36" wide	doors 36" wide	doors 29" wide	doors 33" wide	doors 36" wide	doors 36" wide

Fairview

The Fairview school site contains 2 acres of land and therefore does not meet the minimum requirement of 4 acres.

There are three exits which consist of single doors, each of which is 33" wide. These do not meet the requirement of 36".

There is one classroom which has a floor space of 22 sq. ft. per pupil and therefore meets and exceeds the requirement of 20 sq. ft. per pupil.

The classroom ceiling height, 11'4", meets the required height of 11'.

There is a cloakroom connected to the classroom and it is available for use of the students for storing wraps.

The requirements for Item (26) Health Education Facilities are met since there is an indoor playroom as well as the outdoor playground.

Gravel Hill

The school site for Gravel Hill contains 1 acre of land and therefore does not meet the minimum requirement of 4 acres.

There is one exit, a single door 31" wide, which does not meet the requirement of 36".

The one existing classroom has a floor space of 15 sq.

ft. per pupil and therefore does not meet the minimum requirement of 20 sq. ft. per pupil.

The classroom ceiling height is 9' 10" and does not meet the required height of 11'.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The requirements for Item (26) Health Education Facilities are met since there is an indoor playroom as well as the outdoor playground.

Lanetown²

The Lanetown school site contains 1 acre of land and therefore does not meet the minimum requirement of 4 acres.

There is one exit which consists of a single door 36" wide and therefore meets the requirement.

The one classroom has a floor space of 20 sq. ft. per pupil and therefore meets the requirement.

The classroom ceiling height, 10' 2", does not meet the required height of 11'.

No storage space is provided; therefore, the requirement for Item (23) Storage Space is not met.

The school does not meet requirements for Item (26) Health Education Facilities since there is only an outside playground and there are no indoor facilities.

Mt. Lebanon

The school site for Mt. Lebanon School contains 1-1/4 acres of land and does not meet the minimum requirement of 4 acres.

From the building there are two exits which consist of single doors, each of which is 36" wide; thus the requirements set forth are met.

The one existing classroom has a floor space of 25 sq. ft. per pupil and therefore it meets and exceeds the required amount of 20 sq. ft. per pupil.

The classroom ceiling height is 11' and this meets the minimum requirement.

There is a cloakroom connected to the classroom and it is available for use by the pupils to store their wraps.

The requirements for Item (26) Health Education Facilities are met since there is an indoor playroom as well as the outdoor playground.

New Salem³

The New Salem school site contains 1 acre of land and therefore does not meet the minimum requirement of 4 acres.

There is one exit which consists of a single door 32" wide and therefore does not meet the requirement of 36".

There is one classroom which has a floor space of 14

³colored school

sq. ft. per pupil and does not meet the requirement of 20 sq. ft. per pupil.

The classroom ceiling height is 10' and therefore does not meet the required height of 11'.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The school does not meet requirements for Item (26) Health Education Facilities since there is only an outside playground and there are no indoor facilities.

Oak Grove⁴

The Oak Grove school site contains 1 acre of land and therefore does not meet the requirement of 4 acres.

From the building there is one exit which consists of a single door 36" wide and therefore meets the minimum requirement.

The one classroom has a floor space of 41 sq. ft. per pupil and therefore meets and exceeds the requirement of 20 sq. ft. per pupil.

The classroom ceiling height is 12' and therefore meets the minimum requirement.

There are two cloakrooms connected with the classroom and they are available for use by the students for storing of wraps.

The requirements for Item (26) Health Education

⁴colored school

Facilities are not met since there is no indoor playroom; however, there is an outdoor playground.

Piney⁵

The school site for Piney School contains one acre of land and therefore does not meet the minimum requirement of 4 acres.

There are two exits from the building. One of these consists of double doors each of which is 36" wide; the other is a single door 32" wide and therefore does not meet the required width of 36".

The one classroom has a floor space of 40 sq. ft. per pupil, thus exceeding the required amount of 20 sq. ft. per pupil.

The classroom ceiling meets the required height of 11'6".

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The school does not meet requirements for Item (26) Health Education Facilities since there is only an outside playground and there are no indoor facilities.

This building was originally built as a church and it is still being used as such. On school days benches are pushed to one side, movable desks are pulled from the wall, and school is in session.

Piney Grove

The Piney Grove school site contains 1 acre of land and therefore does not meet the minimum requirement of 4 acres.

From the building there are two exits consisting of a single door 36" wide and another single door 36" wide, which exits meet the minimum requirement.

There is one classroom which has a floor space of 17 sq. ft. per pupil and this does not meet the required amount of 20 sq. ft. per pupil.

The classroom ceiling height, 11', meets the required amount.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The requirements for Item (26) Health Education Facilities are met since there is an indoor playroom as well as the outdoor playground.

Poplar Hill

The school site for Poplar Hill School contains 1-1/2 acres of land and therefore does not meet the minimum requirement of 4 acres.

From the building there are two exits consisting of 36" single doors and thus meeting the minimum requirement.

The one classroom has a floor space of 19 sq. ft. per pupil and therefore does not meet the required amount of 20 sq. ft. per pupil.

The classroom ceiling height, 11', meets the requirement in full.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The requirements for Item (26) Health Education Facilities are met since there is an indoor playroom as well as the outdoor playground.

Rocky Mountain

The Rocky Mountain school site contains 4 acres of land and therefore meets the minimum requirement in full.

There is one exit which consists of a single door 36" wide and therefore meets the requirement.

The one classroom has a floor space of 26 sq. ft. per pupil; this meets and exceeds the required amount of 20 sq. ft. per pupil.

The classroom ceiling height, 10'3", does not meet the required height of 11'.

There is no space provided for storage; therefore, the requirement for Item (23) Storage Space is not met.

The school does not meet requirements for Item (26) Health Education Facilities since there is only an outside

playground and there are no indoor facilities.

Russell

The school site for Russell School contains 1/2 acre of land and therefore does not meet the minimum requirement of 4 acres.

From the building there is one exit which consists of a single 29" wide door and therefore does not meet the required width of 36".

The one classroom has a floor space of 24 sq. ft. per pupil; therefore, meeting and exceeding the required amount of 20 sq. ft. per pupil.

The classroom ceiling height, 10'6", does not meet the required height of 11'.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The school does not meet the requirements for Item (26) Health Education Facilities since there is only an outdoor playground and there are no indoor facilities.

Shady Grove

The Shady Grove school site contains 2 acres of land and therefore does not meet the minimum requirement of 4 acres.

From the building there is one exit which consists of a double door 36" wide and therefore meets the requirement.

The one classroom used has a floor space of 17 sq. ft. per pupil and this does not meet the required amount of 20 sq. ft. per pupil.

There is an additional classroom and auditorium not in use as such but is used for county maintenance storage. The classroom used for storage has a capacity of 38, while the classroom in use has a pupil capacity of 28.

The classroom ceiling height, 12', meets and exceeds the required height of 11'.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The school does not meet requirements for Item (26) Health Education Facilities since there is only an outside playground and there are no indoor facilities.

Sharp's Chapel

The school site for Sharp's Chapel contains 3 acres of land and therefore does not meet the required amount of 4 acres.

From the building there are three exits which consist of single doors, each one of which is 36" wide and thereby meets the requirement.

The one classroom has a floor space of 22 sq. ft. per

pupil; therefore, this meets the requirement of 20 sq. ft. per pupil.

The classroom ceiling height, 10'8", does not meet the required height of 11'.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met.

The school does not meet requirements for Item (26) Health Education Facilities since there is only an outside playground and there are no indoor facilities.

Zion Hill

The Zion Hill school site contains 2 acres of land and this does not meet the required amount of 4 acres.

From the building there are two exits which consist of two single doors each one of which is 36" wide and thereby meets the requirement.

The one classroom has 15 sq. ft. per pupil and this does not meet the required amount of 20 sq. ft. per pupil.

The classroom ceiling height, 10', does not meet the required height of 11'.

There are two cloakrooms connected with the playroom and they are available for use by the children for storing of wraps.

The requirements for Item (26) Health Education Facilities are met since there is an indoor playroom as well as the outdoor playground.

Summary - One-Teacher Schools

Fourteen of the fifteen schools has an acreage of less than 4 acres; therefore, only one of the fifteen schools meets the requirement of 4 acres of land for school site.

Nine of the schools fulfill the requirements for Item (2) Exits. Most of the schools have only one exit which is adequate if the exit door is at least 36" wide.

All the buildings fulfill the requirement for Item (3) Heights. The buildings are either of frame, brick, or concrete block construction and they are all of one-story.

None of the schools fulfill the requirements for Item (6) Toilets. Outside toilet facilities are provided in all schools and are inspected by the McMinn County Health Department. The toilets are unsanitary and badly in need of repair.

All the schools fulfill the requirements for Item (7) Drinking Water. The source of drinking water in each school is approved by the State Department of Public Health.

Nine of the schools fulfill the requirement for Item (8) Classroom.

Seven of the schools fulfill the requirement for Item (16) Ceiling Height.

Four of the schools fulfill the requirements for Item (23) Storage Space. At least one cloakroom was considered as adequate.

Six of the schools fulfill the requirements for Item (26) Health Education Facilities. If there were an indoor playroom in addition to the outdoor playground, these were considered as adequate.

Two-Teacher Schools

There are eleven elementary schools which have only two teachers. Since not all of the items under requirements for new buildings exist in these schools, only those which do exist are considered. The items considered are: (A) School Site, (2) Exits, (3) Heights, (6) Toilets, (7) Drinking Water, (8) Classroom, (16) Ceiling Height, (23) Storage Space, (25) Cafeteria, and (26) Health Education Facilities. The items not considered are: (1) Corridors, (4) Office Space, (5) Clinics, (9) Science Laboratories, (10) Homemaking Laboratories, (11) Library, (12) Commercial Rooms, (13) Art Rooms, (14) Music Rooms, (15) Agriculture Rooms, and (24) Auditorium.

The minimum requirements which are not met by all the schools are listed on Chart II on page 55, together with the adequacy or inadequacy of each school. The degree or extent to which the classrooms in each school fulfill the requirement for Item (8) Classroom is given in Table IV on page 54.

Clearwater

The Clearwater School site contains $3\frac{3}{5}$ acres of land and this does not meet the required amount of 4 acres as set by the State minimum requirements.

There are two exits from the building and their width of 36" meets the requirements for two exits.

There are two classrooms in the building, one of which meets the requirement of 20 sq. ft. per pupil. The other room with only 15 sq. ft. per pupil does not meet the requirement.

The classroom ceiling height is 11' and therefore meets the required height of 11'.

There is a cafeteria adjoining the building and it has a floor space of 13 sq. ft. per child; therefore, this meets and exceeds the required amount 10 sq. ft. per child.

The requirements for Item (26) Health Education Facilities are only partially met since there are no indoor facilities in addition to the outdoor playground.

No storage space is provided in the school; therefore, Item (23) Storage Space is not met.

TABLE IV

CLASSROOMS - TWO-TEACHER SCHOOLS

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Clearwater						
(1)	21x24	25	25	0	0	20
(2)	17x21	18	24	6		15
East Etowah*						
(1)	20x26	26	37	11		14
(2)	20x36	36	31		5	23
Longs						
(1)	23x36	41	38		3	22
(2)	19x25	24	36	12		13
Nt. Harmony						
(1)	22x29	32	31		1	21
(2)	22x29	32	36	4		18
Mouse Creek						
(1)	24x28	34	34	0	0	20
(2)	24x28	34	33		1	20
North Liberty						
(1)	22x24	26	30	4		18
(2)	14x22	15	29	14		11
Pine Grove						
(1)	22x24	26	25		1	21
(2)	22x24	26	26	0	0	20
Pleasant Grove						
(1)	19x27	26	34	8		15
(2)	23x27	31	32	1		19
Pond Hill						
(1)	23x30	35	33		2	21
(2)	23x31	36	29		7	25
Tranquility						
(1)	24x24	29	27		2	21
(2)	24x24	29	29	0	0	20
West Etowah*						
(1)	23x29	33	36	3		19
(2)	23x29	33	36	3		19

* colored school

CHART II
TWO-TEACHER SCHOOLS

Minimum Requirements	Clearwater School	East Stowah School*	Longs School	Mt. Harmony School	Mouse Creek School
A. School Site - 4 acres	3 3/5 acres	2 acres	1 acre	2 acres	3 acres
(2) Exits - at least 2 remote from each other; doors at least 36" wide	1 double 2 single doors 36" wide	only 1 door 33" wide	2 exits doors 30" and 24" wide	4 exits doors 34" wide	2 exits doors 34" wide
(8) Classroom - floor space of 20 sq. ft. per pupil	1-20 sq.ft. 2-15 " " per pupil	1-14 sq.ft. 2-23 " " per pupil	1-22 sq.ft. 2-13 " " per pupil	1-21 sq.ft. 2-18 " " per pupil	1-20 sq.ft. 2-20 sq. ft. per pupil
(23) Storage Space - Lockers, wardrobes, or cloakrooms provided for pupils' wraps	none	none, hang wraps in hall	none	cloakroom in each classroom	none
(25) Cafeteria - 10sq. ft. floor area per child to be served	13 sq.ft. per child	none	none	12 sq.ft. per child	none
(26) Health Education Facilities - both indoor and outdoor facilities should be provided	outdoor facilities only	outdoor facilities only	outdoor facilities only	outdoor facilities only	outdoor facilities only
(16) Ceiling Height - average at least 11'.	11' 0"	11' 11"	11' 5"	12' 0"	11' 4"

* colored school

TWO-TEACHER SCHOOLS (Continued)

Minimum Requirements	North Liberty School	Pine Grove School	Pleasant Grove S. School	Hill School	Tranquility School	West Etowah School*
A. School Site - 4 acres	1 1/4 acres	4 acres	2 acres	2 acres	3 acres	1 acre
(2) Exits - at least 2 remote from each other; doors at least 36" wide	3 exits doors 36" wide	only 1 exit doors 31" wide	4 exits doors 36" wide	2 exits doors 36" wide	only 1 exit, doors 31" wide	2 exits doors 33" wide
(8) Classroom - floor space of 20 sq. ft. per pupil	1-18 sq.ft. 2-11 " " per pupil	1-21 sq.ft. 2-20 " " per pupil	1-15 sq.ft. 2-19 sq.ft. per pupil	1-21 sq.ft. 2-25 " " per pupil	1-21 sq.ft. 2-20 " " per pupil	1-19 sq.ft. 2-19 " " per pupil
(23) Storage Space - Lockers, wardrobes, or cloakrooms pro- vided for pupils' wraps	none	none-Hang wraps in vestibule	none	cloakroom in each classroom	none-hang wraps in vestibule	none
(25) Cafeteria - 10 sq. ft. floor area per child to be served	5 sq.ft. per child	none	26 sq.ft. per child	none	8 sq.ft. per child	none
(26) Health Education Facilities - both indoor and outdoor facilities should be provided	outdoor facilities only	outdoor facilities only	indoor playroom outdoor playground	outdoor facilities only	outdoor facilities only	outdoor facilities only
(16) Ceiling Height - average at least 11'	10' 8"	11' 10"	12' 0"	12' 4"	10' 1"	10' 0"

* colored school

East Stowah⁶

The East Stowah school site contains 2 acres of land and therefore does not meet the minimum requirements of 4 acres.

There is only one exit from the building and therefore it does not meet the requirement of two exits for this type school. The existing exit is only 33" wide and does not meet the required width of 36".

There are two classrooms in the building, one of which has a floor area of 14 sq. ft. per pupil. Therefore the required amount of 20 sq. ft. per pupil is not met. The other room has a floor area of 23 sq. ft. per pupil.

The classroom ceiling height, 11'11", meets the required amount of 11'.

No storage space is provided for the pupils except for the hallway where they may hang their wraps. Requirement for Item (23) Storage Space is not met.

There is no cafeteria in the building.

The requirements for Item (26) Health Education Facilities are only partially met since there is only an outdoor playground and no indoor playroom.

Longs

The school site of Longs school contains 1 acre of land and therefore does not meet the required amount of 4 acres.

⁶colored school

There are two exits from the building. One door measures 30" wide and the other 24" wide; therefore the requirement of 36" is not met.

The school has two classrooms and one room with a floor area of 22 sq. ft. per pupil meets and exceeds the required amount of 20 sq. ft. per pupil; the other does not meet the requirement since it has a floor area of 13 sq. ft. per pupil.

The classroom ceiling height, 11'5", meets the required height of 11'.

There is no storage space provided for the pupils; therefore, Item (23) Storage Space is not met.

There is no cafeteria in the building.

The requirements for Item (26) Health Education Facilities are only partially met since there is only an outdoor playground and no indoor facilities.

Mount Harmony

The school site of Mount Harmony contains 2 acres of land; therefore, it does not meet the requirement of 4 acres.

There are 4 exits from the building and each door is 34" wide; therefore, the requirement of 36" in width is not met.

The building has indoor toilet facilities which meet and exceed the requirements for Item (6) Toilets. Based on the enrollment for 1949-50, 30 girls and 26 boys, there is

one water closet for each 10 girls and one water closet for each 9 boys. There is one urinal for each 26 boys and one lavatory for each 28 students.

There are two classrooms in the building, one of which has a floor area of 21 sq. ft. per pupil, thereby meeting and exceeding the requirement of 20 sq. ft. per pupil; the other has a floor space of 18 sq. ft. per pupil.

The classroom ceiling height, 12', meets the required height of 11'.

There is a cloakroom connected with each classroom and it is available for use by the students for the storing of wraps.

The cafeteria of the school has a floor area of 12 sq. ft. per pupil and therefore meets and exceeds the required space of 10 sq. ft. per pupil.

The requirements for Item (26) Health Education Facilities are only partially fulfilled since there is only an outdoor playground and no indoor playroom available.

Mouse Creek

The Mouse Creek school site contains 3 acres of land and does not meet the minimum requirement of 4 acres.

There are two exits from the building each 34" wide; therefore, the required width of 36" is not met.

The two classrooms of the building have a floor area

of 20 sq. ft. per pupil and thereby the minimum requirement is met.

The classroom ceiling height, 11'4", meets the required height of 11'.

There is no storage space provided in the building; therefore, Item (23) Storage Space is not met.

There is no cafeteria in the building.

The requirements for Item (26) Health Education Facilities are only partially met since there is only an outdoor playground and no indoor playrooms are provided.

North Liberty

The North Liberty school site contains 1-1/4 acres of land and therefore does not meet the minimum requirement of 4 acres.

There are three exits in the building and each fulfills the requirements of 36" in width.

There are two classrooms in the building. One classroom has a floor area of 18 sq. ft. per pupil and the other has 11 sq. ft. per pupil. Neither of these meets the required amount of 20 sq. ft. per pupil.

There is no storage space provided for the students; therefore, Item (23) Storage Space does not meet the requirement.

Classroom ceiling heights, 10'8", do not meet the

required height of 11'.

The cafeteria has a floor area of 5 sq. ft. per pupil and therefore does not meet the requirement of 10 sq. ft. per pupil.

The requirement for Item (26) Health Education Facilities is only partially fulfilled since there is only an outdoor playground and no indoor playroom is available.

Pine Grove School

The school site of Pine Grove school contains 4 acres and therefore meets the minimum requirement of 4 acres.

The only exit from the building is 31" wide and therefore does not meet the requirement of 36".

The two rooms of the school both meet the requirement of 20 sq. ft. per pupil; one has a floor area of 21 sq. ft. per pupil and the other has 20 sq. ft. per pupil.

The classroom ceiling height, 11'10", meets the required height of 11'.

No storage space is provided for the pupils so wraps are hung in the vestibule of the building. Item (23) Storage Space is not met in this case.

There is no cafeteria in the building.

The requirement for Item (26) Health Education Facilities is only partially fulfilled since there is only an outdoor playground and no indoor playroom is available.

Pleasant Grove

The Pleasant Grove school site contains 2 acres; therefore, the minimum requirement of 4 acres is not met.

There are four exits from the building; each door is 36" wide and therefore meets the requirement of 36".

There are two classrooms in the building; one has a floor area of 15 sq. ft. per pupil, and the other has 19 sq. ft. per pupil. Neither of these fulfills the required amount of 20 sq. ft. per pupil.

The classroom ceiling heights, 12', meet the requirement of 11'.

Storage space is not provided for the storing of wraps and therefore Item (23) Storage Space is not met.

The cafeteria of the school, with a floor area of 26 sq. ft. per pupil, exceeds the amount of 10 sq. ft. per pupil.

The requirement for Item (26) Health Education Facilities is met in full since there is an indoor playroom as well as the outdoor playground.

Pond Hill

The school site of Pond Hill contains 2 acres and therefore does not meet the minimum requirement of 4 acres.

There are two exits from the building and each door is 36" wide. The minimum requirement of 36" per exit is met.

There are two classrooms in the building. One classroom has a floor area of 21 sq. ft. per pupil and the other has a floor area of 25 sq. ft. per pupil; both meet the minimum requirement of 20 sq. ft. per pupil.

There is a cloakroom connected to each classroom and it is available to the pupils for the storage of wraps. Item (23) Storage Space is met in full.

There is no cafeteria in the building.

The classroom ceiling heights, 12'4", exceed the required amount of 11'.

The requirement for Item (26) Health Education Facilities is only partially fulfilled since there is no indoor playroom but only an outdoor playground.

Tranquility

The Tranquility school site contains 3 acres and therefore does not meet the minimum requirement of 4 acres.

There is only one exit from the building and this doorway is only 31" wide; therefore, the requirement of 36" is not met.

The two classrooms have a floor space of 21 sq. ft. per pupil, and 20 sq. ft. per pupil; therefore, the requirement of 20 sq. ft. per pupil is met.

The classroom ceiling height, 10'1", does not meet the requirement of 11'.

No storage space is provided but children's wraps are hung in the vestibule of the building. The requirement for Item (23) Storage Space is not met.

The cafeteria has a floor space of 8 sq. ft. per pupil; therefore, the requirement of 10 sq. ft. per pupil is not met.

The requirement for Item (26) Health Education Facilities is only partially fulfilled since there is no indoor playroom but only an outdoor playground.

West Etowah?

The West Etowah school site contains 1 acre of land and therefore does not meet the minimum requirement of 4 acres.

The two exits of the building measure only 33" in width; therefore, the requirement of 36" is not met.

Neither classroom meets the requirement of 20 sq. ft. per pupil as each room has a floor space of only 19 sq. ft. per pupil.

The classroom ceiling height, 10', does not meet the required amount of 11' in height.

No storage space is provided for the storing of wraps. The requirement for Item (23) Storage Space is not met.

There is no cafeteria in the building.

The requirement for Item (26) Health Education Facilities

is only partially fulfilled since there is no indoor playroom but only an outdoor playground.

Summary - Two-Teacher Schools

Ten of the eleven schools have sites of less than 4 acres; therefore, only one of the eleven schools fulfills the requirement of 4 acres for School Site.

Four of the schools fulfill the requirements for Item (2) Exits. There should be at least two exits remote from each other and the exit doors should be at least 36" wide. Three of the schools have only one exit and the exit doors of four other schools are less than 36" wide.

All schools meet requirements for Item (3) Heights.

Only one of the schools fulfills the requirements for Item (6) Toilets. This school is Mt. Harmony which has adequate indoor toilet facilities. The other ten schools have outdoor toilet facilities which are unsanitary and inadequate.

All the schools fulfill the requirement for Item (7) Drinking Water. The source of drinking water in each school is approved by the State Department of Public Health.

Four of the schools fulfill the requirement for Item (8) Classroom, and seven do not. Four of the schools which do not meet the requirements have one classroom which is adequate and one which is inadequate; the other three schools

have classrooms which are all inadequate.

Eight of the schools fulfill the requirement for Item (16) Ceiling Height.

Three of the schools fulfill the requirement for Item (23) Storage Space. A cloakroom for each classroom was considered adequate.

Only five of the schools have cafeterias. Three of these meet and exceed requirements for Item (25) Cafeteria. The other two cafeterias have a capacity which is adequate to serve the children in two shifts; however, they have seating facilities which allow less than the required 10 sq. ft. per child to be served and therefore they do not meet the requirement.

Only one of the schools meets the requirement for Item (26) Health Education Facilities. If there were an indoor playroom in addition to an outdoor playground, these were considered adequate.

Three-or-more Teacher Schools

There are nine elementary schools with three or more teachers; the largest school has seven teachers. Since all the items under requirements for new buildings do not exist in these schools, only those that do exist are considered. The items considered are: (A) School Site, (1) Corridors, (2) Exist, (3) Heights, (6) Toilets, (7) Drinking Water,

(8) Classroom, (16) Ceiling Height, (23) Storage Space, (24) Auditorium, (25) Cafeteria, and (26) Health Education Facilities. The items not considered are: (4) Office Space, (5) Clinics, (9) Science Laboratories, (10) Homemaking Laboratories, (11) Library, (12) Commercial Rooms, (13) Art Rooms, (14) Music Rooms and (15) Agriculture Rooms.

The degree or extent to which the classrooms in each school fulfill the requirement for Item (8) Classroom is given in Table V on page 69.

Conasauga School

The school site for Conasauga School contains only 2 acres of land and it should have at least 5 acres in order to meet requirements. The enrollment for the 1949-50 school year, 110, makes one additional acre necessary to the basic requirement of 4 acres.

There are no corridors in the building.

There are three exits from the building; they are remote from each other and the 36" wide doors meet the required width.

The requirements for Item (3) Heights are met since the one-story building is of frame construction.

This is a three-teacher school and there are three classrooms, two of which meet the requirement of 20 sq. ft. per pupil floor space. The size and capacity of the rooms

may be seen in Table V.

The classroom ceiling height, 11', meets the required height of 11'.

The requirements for Item (23) Storage Space are not fulfilled since no storage space is provided.

The requirements for Item (26) Health Education Facilities are not fulfilled since only an outdoor playground is provided. Connected to two of the classrooms is a stage which could be used for indoor play.

TABLE V

CLASSROOMS - THREE-OR-MORE TEACHER SCHOOLS

School and Room No.	Size of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Conasauga						
(1)	13x33	21	35	14		12
(2)	24x34	41	35		6	23
(3)	24x34	41	35		6	23
East Etowah						
(1)	20x28	28	40	12		14
(2)	22x28	31	35	4		18
(3)	22x28	31	23		8	27
North Etowah						
(1)	21x31	33	35	2		19
(2)	19x31	29	36	7		16
(3)	19x27	26	31	5		17
T. W. C. Practice						
(1)	22x34	37	51	14		15
(2)	22x34	37	28		9	27
(3)	12x15	9	17	8		11
Goodsprings						
(1)	22x29	32	37	5		17
(2)	22x24	26	36	10		14
(3)	22x29	32	43	11		15
Carlock						
(1)	20x29	29	27		2	22
(2)	21x24	25	46	21		11
(3)	16x23	18	41	23		9
(4)	20x20	20	33	13		12
Hillsview						
(1)	20x29	29	34	5		17
(2)	20x29	29	40	11		15
(3)	20x29	29	40	11		15
(4)	20x21	21	33	12		13
(7)	24x30	36	30		6	24

CLASSROOMS - THREE-OR-MORE TEACHER SCHOOLS (Continued)

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Union Grove						
(1)	20x29	29	25		4	23
(2)	20x29	29	33	4		18
(3)	20x29	29	41	12		14
(4)	20x29	29	40	11		15
(5)	18x19	17	40	23		9
(6)	14x19	13	17	4		16
Idlewild						
(1)	22x29	32	34	2		19
(2)	23x25	29	45	16		13
(3)	23x23	26	34	8		16
(4)	23x23	26	36	10		15
(5)	23x25	29	31	2		19
(6)	19x26	25	23		2	21
(7)	18x26	25	27	2		18

East Etowah

The East Etowah school site contains only one acre of land. At least 5 acres should be provided in order to meet the requirements. The enrollment for the school year 1949-50 was 113, thereby one more acre is necessary in addition to the basic requirement of 4 acres.

The brick building has one corridor which is 5'7" wide and therefore does not meet the required measurement of 10' for primary corridors.

There are two exits remote from each other. One of these consists of double doors, each 36" wide, and the other is a single door 36" wide; both of these exits meet the requirement.

This is a three-teacher school and there are three classrooms, one of which is combined with the auditorium. As may be seen in Table V only one of the rooms meets the required floor space of 20 sq. ft. per pupil.

The ceiling height of the classrooms, 12', meets the required height of 11'.

No storage space is provided for the pupils' wraps; therefore, the requirements for Item (23) Storage Space are not fulfilled.

There is an adequate auditorium which allows 10 sq. ft. floor area per person. There are a total of 98 seats; 75 of these are opera seats and the remaining 23 are desks

or arm chairs. There is a stage combined with the auditorium also.

There is a cafeteria which does not quite fulfill requirements since only 9 sq. ft. floor space per child to be fed is allowed where 10 sq. ft. should be provided. Adequate kitchen and storage are provided.

The requirements for Item (26) Health Education Facilities are not met since only an outdoor playground is provided.

North Etowah

The school site for North Etowah School contains one and one-half acres of land; this does not meet the requirements for School Site. The enrollment for the school year 1949-50 was 111; therefore, 5 acres are needed, 4 acres basic requirement and one additional acre for the anticipated enrollment of over 100.

The brick building has one primary 8' wide corridor which does not meet the required measurement of 10'.

There are three exits from the building each remote from the other. One of these consists of double doors and two consist of single doors. All exit doors are 37" wide; therefore, the requirements for Item (2) Exits are met in full.

This three-teacher school has three classrooms, none

of which meets the requirement for Item (8) Classroom. The extent of overcrowdedness in the classrooms is shown in Table V.

The ceiling height of all classrooms, 11'7", meets the required height of 11'.

No storage space for pupils' wraps is provided; therefore, the requirements for Item (23) Storage Space are not met.

There is an auditorium which is adequate. The floor area provides for a capacity of 177 and there are seating facilities available for 140. An adequate stage is provided in the auditorium.

Adequate cafeteria facilities are available. The kitchen and lunch room are in the same room and 10 sq. ft. floor area per child to be served is allowed; therefore requirements are met.

The school does not meet requirements for Item (26) Health Education Facilities since only an outdoor playground is provided and indoor facilities should be available.

Tennessee Wesleyan Practice School

T.W.C. Practice School fulfills the requirements for School Site since the site contains 4 acres of land and the enrollment is less than 100.

The building has no corridors.

There are two exits remote from each other. These exits fulfill requirements since the doors are 36" wide.

The school has indoor toilet facilities which are located in the basement and entered from the outside. The requirements for Item (6) Toilets are fulfilled with the exception of water closets for girls. There is one water closet for each 47 girls where there should be one for each 30 girls. There is one water closet for each 38 boys, one urinal for each 38 boys, and one lavatory for each 43 students.

This three-teacher school has three classrooms. One of the rooms is a practice room for practice teachers and it is not used all of the time. Only one of the rooms fulfill the requirements for Item (8) Classroom as shown in Table V.

The ceiling height of the classrooms, 12', meets and exceeds the required height of 11'.

Adequate facilities are available for Item (23) Storage Space since there is a cloakroom in each classroom.

Requirements for Item (26) Health Education Facilities are not met since only outdoor facilities are provided.

Goodsprings School

The school site for Goodsprings School contains 4 acres of land; therefore, the requirements for School Site are met.

There is one primary 10' wide corridor which meets the

required measurement of 10'.

The requirements for Item (2) Exits are met since there are 5 exits each remote from the other; all exit doors are 36" wide.

This is a three-teacher school and there are three classrooms. None of the classrooms fulfills the requirement of 20 sq. ft. floor space per child. The floor area of each room is given in Table V. Adjacent to one of the classrooms is a reading room which is used in connection with the classroom and which has a pupil capacity of 10.

The ceiling height of the classrooms, 12'6", meets the required height of 11'.

The requirements for Item (23) Storage Space are fulfilled since there is a cloakroom in each classroom.

There is an adequate auditorium with stage platform and dressing rooms. The floor area allows a capacity of 172 and folding chairs are available to seat 125.

There is an adequate cafeteria which has a floor space of 11 sq. ft. per child to be served. The kitchen and lunch room are together and there is separate storage space.

Although there is an outdoor playground and the auditorium is used as a playroom, there are not adequate facilities available to fulfill requirements for Item (26) Health Education Facilities.

Carlock School

The Carlock School site does not meet the requirements for School Site. Only 4 acres of land are provided where there should be 5 acres. The anticipated enrollment requires an additional acre plus the 4 acres basic requirement. The enrollment for the school year 1949-50 was 142.

The brick building has two primary corridors, 8'10" wide and 5' wide. Neither of these meets the required width of 10'.

The requirements for Item (2) Exits are met in full. There are two exits each remote from the other; one is a single door 36" wide and the other consists of double doors, each of which is 36" wide.

This is a four-teacher school and there are four classrooms, only one of which meets the requirements for Item (8) Classroom. The extent to which the classrooms fulfill requirements may be seen in Table V.

The ceiling height of all classrooms, 11'10", meets the required height of 11'.

No storage space for pupils' wraps is provided; therefore, the requirements for Item (23) Storage Space are not met.

There is an adequate auditorium which has a capacity of 126. There are seating facilities available for 150. A stage is provided in the auditorium. The auditorium has a

floor area of 880 sq. ft. and 400 sq. ft. of this area is used as a classroom.

There is a cafeteria whose floor area allows 8 sq. ft. per child to be served; this is slightly less than the required 10 sq. ft. per child. The kitchen and lunch room are together, and more room is needed.

Requirements for Item (26) Health Education Facilities are not met since there are no indoor facilities in addition to the outdoor playground.

Hillview School

The school site for Hillview School contains 8 acres of land; therefore, the requirements for School Site are met and exceeded. The enrollment for the year 1949-50, 164, would make one more acre needed in addition to the basic requirement of 4 acres; thus a total of 5 acres is needed.

The brick building has no corridors.

Although there are ten exits remote from each other in the building, the requirements for Item (2) Exits are not met since the exit doors are only 32" wide and they should be at least 36" wide.

This is a five-teacher school. Although no office space is needed in order for the school to meet state requirements, there is an office with 456 sq. ft. of floor space provided in the building.

The school has five classrooms, only one of which meets the requirement for Item (8) Classroom. Two additional rooms of classroom size are used for various kinds of school storage. The extent to which the five classrooms fulfill requirements may be seen in Table V.

The ceiling height of all classrooms, 12', meets the required height of 11'.

No storage space for pupils' wraps is provided; therefore, the requirements for Item (23) Storage Space are not met.

An adequate auditorium with a capacity of 303 is provided. The auditorium has a stage and dressing rooms. Folding chairs are used as seating facilities.

There is an adequate cafeteria which allows 14 sq. ft. of floor space per child to be served. The kitchen and lunch room are together.

Although there is an outdoor playground and the auditorium is used primarily as a gymnasium, the requirements for Item (26) Health Education Facilities are not met in full since there are no provisions for the lower grades.

Union Grove School

The school site for Union Grove School contains 10 acres of land; therefore, the requirements for School Site are met and exceeded. In addition to the basic requirement

of 4 acres, only one other acre is needed since the enrollment for the school year 1949-50 was 195.

The brick building has no corridors.

The requirements for Item (2) Exits are fulfilled. There are 5 exits, one of which is a double door and the other 4 are single doors. The exits are each remote from the other and all doors are 36" wide.

This is a five-teacher school and there are five classrooms. As may be seen in Table V, only one of these meets the requirement for Item (3) Classroom.

The ceiling height of all classrooms, 11'10", meets the required height of 11'.

No storage space for pupils' wraps is provided; therefore, the requirements for Item (23) Storage Space are not met.

There is an auditorium which contains 250 seats and allows 5 sq. ft. per person; this is slightly less than the required 7 sq. ft. per person. However, the auditorium has a capacity of 189; therefore, it is large enough for its use. Adequate stage space and dressing rooms are provided.

There is an adequate cafeteria which allows 12 sq. ft. per child to be served; the kitchen and storage are separate from the lunch room.

There is an outdoor playground and an indoor playroom of classroom size; however, these are not considered adequate

for a school of this size and therefore the requirements for Item (26) Health Education Facilities are only partially fulfilled.

Idlewild School

Idlewild School site contains five acres of land; therefore, the requirements are met. Four acres are needed to fulfill the basic requirement and one additional acre is needed since the enrollment is over 100.

There are no corridors in the school building.

There are seven exits; one of these consists of double doors leading from the auditorium and the other six are single doors, each leading directly from the classrooms to the outside. Requirements for exits are not fulfilled since the exit doors are only 35" wide where they should be at least 36" wide. The total exit facilities meet and exceed the required average of 22" per 100 people to be housed at any one time.

The requirements for a one-story building are met since the building is one story high and is constructed of brick.

No office space is provided. Since the school has seven teachers, at least 300 sq. ft. of office space should be provided in order to meet requirements.

The requirements for Item (5) Clinics are not met

since there is no space available for clinical services.

The building has seven classrooms, two of which are located in the rear of the auditorium. Only one of the classrooms meets the requirement of 20 sq. ft. floor area per pupil as may be seen in Table V.

The ceiling height of all classrooms, 13', meets the required height of 11'.

Adequate storage space is not provided. There are two cloakrooms and each one jointly serves two classrooms.

An adequate auditorium is provided. The floor area gives a capacity of 256 and there are seating facilities for 160. A stage and dressing rooms are provided.

There is a cafeteria whose floor area allows 10 sq. ft. per child to be served, and thus meets the requirements.

There is an outdoor playground; however, there are no indoor health education facilities and at least one or more playrooms should be provided.

Summary - Three-or-more Teacher Schools

Five of the nine schools fulfill the requirements for School Site. The basic acreage for two of the schools is 4 acres; for six of the schools, 5 acres; and for one school, 6 acres.

Only four of the schools have corridors; one of these schools fulfills requirements for Item (1) Corridors.

Six of the schools fulfill the requirements for Item (2) Exits. The other three schools have adequate exits with the exception of the exit doors which are less than 36" wide.

All the schools fulfill the requirements for Item (3) Heights. All the buildings are one story high; two are of frame construction and seven are of brick construction.

None of the schools fulfills the requirements for Item (6) Toilets. T.W.C. Practice is the only school with indoor facilities and they are inadequate; the other schools have outdoor facilities which are either unsanitary or badly in need of repairs.

All the schools fulfill the requirements for Item (7) Drinking Water. The source of drinking water for each school is approved by the State Department of Public Health.

The schools contain from three to seven classrooms and none of the schools fulfills the requirements for Item (8) Classroom.

All the schools fulfill the requirements for Item (16) Ceiling Height.

Only one of the schools fulfills the requirements for Item (23) Storage Space. This school provides a cloakroom for each classroom.

Six of the nine schools have an auditorium. Four of these are adequate to fulfill requirements for Item (24) Auditorium.

Seven of the schools have a cafeteria and only three of these are adequate. The other four are either overcrowded or the pupil capacity is inadequate to serve all the children in at least three shifts.

None of the schools fulfills requirements for Item (26) Health Education Facilities. Only two of the schools have indoor facilities; but, since these are just auditoriums, other facilities should be provided.

CHAPTER IV

COUNTY ELEMENTARY-JUNIOR HIGH SCHOOLS

In McMinn County there are three elementary and junior high schools - Claxton, Niota, and Riceville. Claxton School embraces grades 1 through 10; Niota, grades 1 through 9; and Riceville, grades 1 through 10. The following items are non-existent in these three schools and, therefore, are not considered: (9) Science Laboratories, (10) Homemaking Laboratories, (12) Commercial Rooms, (13) Art Rooms, (14) Music Rooms, and (15) Agriculture Rooms.

Claxton School

Claxton School is one of the three junior high schools in McMinn County and it embraces grades one through ten. The school site contains ten acres of land. This fulfills the requirement for school site since the school has an enrollment of less than 200 and only ten acres are needed.

There is one primary corridor which is 9'6" wide; therefore, this does not meet the required measurement of 10'.

There are three exits which consist of double doors and open off the main corridor, but they are remote from each other. There are six exits which consist of single doors; two of these lead from the sides of the auditorium

and four lead directly from separate classrooms. All exit doors are 36" wide and total exit facilities allow 216" per 100 people; thus the requirements for exits are met and exceeded.

The one-story building is of brick construction and, therefore, meets the requirements for a one-story building.

No office space is allowed in the building. Since the school has six teachers, in order to meet requirements for Item (4) Office Space, at least 300 sq. ft. of office space should be provided.

Neither is there any space available for clinical services. Part of the office space could be used for this purpose; however, since there is no office, the requirements for Item (5) Clinics are missing altogether.

Outdoor toilets are provided and are regularly inspected by a member of the local health department. They are not sufficient to meet requirements for Item (6) Toilets. Since running water is available in the building, indoor toilet facilities should be provided.

The requirements for Item (7) Drinking Water are met since the source of the running water inside the building is approved by the State Department of Public Health.

The building has six classrooms; five of these do not meet the requirement of 20 sq. ft. of floor area per pupil and one does meet the requirement.

There is a room with 280 sq. ft. floor area which is designated as a laboratory but is seldom used as such; therefore, it will not be considered in fulfillment of requirements of Item (9) Science Laboratories.

There is a library which does not meet requirements for Item (11) Library. The floor area allows 13 sq. ft. per pupil where 20 sq. ft. should be allowed. The room has a capacity of 14. In order to house the largest class or 10% of the enrollment, the pupil capacity should be greater.

The ceiling height of all classrooms is 12'; this meets the required height of 11'.

The requirements for Item (23) Storage Space are not met. The only place for the pupils to hang their wraps is in the corridor.

There is an auditorium which has a seating capacity of 264 and contains seats for 300, allowing 6 sq. ft. per person instead of the required 7 sq. ft. per person. Adequate stage facilities and dressing rooms are provided.

There is a cafeteria which does not meet the requirements for Item (25) Cafeteria. The seating space floor area allows 7 sq. ft. per child to be served where 10 sq. ft. per child should be allowed.

There are no indoor and few outdoor health education facilities; therefore, the requirements for Item (26) Health Education Facilities are not met. Both indoor and outdoor facilities should be provided.

TABLE VI

CLASSROOMS - COUNTY ELEMENTARY-JR. HIGH SCHOOLS

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Claxton						
1	20x29	29	30	1		19
2	20x29	29	31	2		19
3	20x29	29	30	1		19
4	20x38	38	28		10	27
5	18x20	18	25	7		14
6	18x20	18	25	7		14
Niota						
1	24x24	29	36	7		16
2	24x24	29	34	5		17
3	24x24	29	34	5		17
4	18x24	22	32	10		14
5	24x24	29	28		1	21
6	24x24	29	36	7		16
7	24x31	37	52	15		14
8	24x24	29	44	15		13
9	24x24	29	34	5		17
10	24x24	29	31	2		19
11	24x24	29	25		4	23
12	24x31	37	51	14		15
Riceville						
102	20x30	30	24		6	24
103	20x23	23	18		5	26
104	20x30	30	29		1	21
105	20x30	30	32	2		19
106	20x30	30	32	2		19
107	20x30	30	36	6		17
108	20x23	23	33	10		14
109	20x30	30	36	6		17
110	20x30	30	38	8		16
111	20x30	30	45	15		13
112	20x30	30	38	8		16

Niota School

Niota is another of the three junior high schools in McMinn County and houses grades 1 through 9. The school site contains fourteen acres of land which exceeds the requirement for School Site by two acres. The basic requirement is eight acres and the enrollment requires four additional acres, making a total of twelve acres needed to meet requirements.

The requirements for Item (1) Corridors are met in full. There is only one primary corridor which is 10'5" wide. There are no secondary corridors.

The requirements for Item (2) Exits are met in full. There are three exits which consist of double doors and which lead off the main corridor. There are two exits which consist of single doors and open off the stage dressing rooms in the auditorium. All exit doors are 36" wide and the total exit facilities allow 57" per 100 people to be housed at any one time. The exits are remote from each other and distributed so as to allow comparatively safe exit from the building.

The requirements for Item (3) Heights are met in full since the building is only one story and of brick construction.

There is an office which allows 432 sq. ft. of space. This meets and exceeds the 300 sq. ft. of floor space required.

Part of the office space is used for clinical services. Since there are fifteen teachers in the school, there should be separate space provided in order to meet requirements for Item (5) Clinics.

Requirements for Item (6) Toilets are only partially met. The enrollment for the school year 1949-50 of 218 girls and 236 boys was used in the calculation. There is one water closet for each 27 girls and one water closet for each 39 boys, both of which meet requirements. However, there is only one urinal for each 236 boys where there should be one for each 40 boys and there is only one lavatory for each 227 students where there should be one for each 50 students.

There is running water inside the building, the source of which is approved by the State Department of Public Health.

The building has twelve classrooms; two of these meet the requirement of 20 sq. ft. of floor area per pupil and ten do not meet the requirement. The extent to which the requirement is fulfilled may be seen in Table VI on page 87.

The requirements for Item (11) Library are not met since there is no library provided and one should be provided large enough to house 10% of the enrollment. The office is used as a library insofar as the books are kept there and a check-out desk is there.

The ceiling height of all classrooms is 12'6" high and, therefore, meets the required height of 11'.

No storage space is provided; therefore, the requirements for Item (23) Storage Space are not met. The pupils hang their wraps in the corridors.

There is an auditorium with a capacity of 535 and with seating facilities for 597 which allows slightly less than the required 7 sq. ft. per person; however, the auditorium is sufficient for the school's needs. Adequate stage space and dressing rooms are provided.

There is a cafeteria which contains a kitchen and storage and allows seating space for a capacity of 28 pupils. However, in order that the children might be served more quickly, the children take their trays to their classroom to eat. Since separate eating space should be provided, the requirements for Item (25) Cafeteria are not met. The school is in need of more adequate facilities.

There is a well equipped outdoor playground. However, there are no indoor health education facilities and, therefore, the requirements for Item (26) Health Education Facilities are only partially met.

Riceville School

Riceville School is one of the three junior high schools in McMinn County and houses grades 1 through 10. The school site contains ten acres of land which does not meet the requirements for School Site. The basic requirement is eight acres and, since the school's enrollment for 1949-50 was 339, three additional acres are needed, making a total of eleven acres.

There are two primary corridors, each 8' wide. This does not meet the required measurement of 10'.

There are three exits which consist of double doors and lead off the main corridor; there are two exits which consist of single doors and also lead off the main corridor. All the exit doors are 36" wide and are remote from each other; the total exit facilities allow 72" per 100 people to be housed at any one time. Although the measurements of the exits meet the requirements, they do not seem adequate since there is no means of exit from the basement, which houses the cafeteria and boys' and girls' toilets, except by way of a wooden stairway leading to the main floor; however, if requirements for a two-story building could be met, the exits would be adequate and safe.

The requirements for a two-story building are not met since the corridors and stairway are not fire-resistant. The building is of brick construction.

Only 200 sq. ft. of office space is allowed where there should be 300 sq. ft. provided in this school plant of twelve teachers.

Part of the office space is used for clinical services. In order to meet requirements for Item (5) Clinics, separate space should be provided.

The requirements for Item (6) Toilets are partially met. The enrollment for 1949-50 of 157 girls and 182 boys was used in the calculation. There is one water closet for each 26 girls and one water closet for each 30 boys; both of these ratios meet the requirements. However, there is only one urinal for each 91 boys where there should be one for each 40 boys, and there is only one lavatory for each 170 students where there should be one for each 50 students.

There is running water inside the building, the source of which is approved by the State Department of Public Health.

The building has eleven classrooms; three of these meet the requirement of 20 sq. ft. floor area per pupil and eight do not meet the requirement. The floor area of each classroom as well as other information may be seen in Table VI on page 87.

An adequate library is provided. The library has a pupil capacity of 38 and is large enough to house the largest class or 10% of the enrollment.

The ceiling height of all classrooms is 11'10" and thus meets the required height of 11'.

The requirements for Item (23) Storage Space are not met since there is no storage space provided and the pupils hang their wraps in the corridors.

There is an auditorium which has a capacity of 400. There are no stationary seats; however, seating facilities are available to seat 300. Adequate state facilities and dressing rooms are provided.

There is a cafeteria located in the basement of the building and it consists of kitchen, storage, and eating space. The seating space has a capacity of 60 and there are seating facilities for 48, thus allowing 13 sq. ft. per pupil. The cafeteria is far from adequate. All students enrolled could not be served in three shifts or less.

The requirements for Item (26) Health Education Facilities are not met. The auditorium is used as an indoor playroom and a gymnasium and there is an outdoor playground. More adequate facilities are needed for a school of this size.

Summary - County Elementary-Junior High Schools

Two of the county elementary-junior high schools fulfill the requirements for School Site. Riceville lacks one acre having the needed acreage.

Only one school, Niota, fulfills the requirements for Item (1) Corridors.

All three schools fulfill the requirements for Item (2) Exits.

Only two of the schools fulfill the requirements for Item (3) Heights. These are both one-story brick buildings. The third school, Riceville, does not meet the requirements for a two-story building.

Only one school, Niota, has adequate office space to fulfill requirements for Item (4) Office Space.

None of the schools fulfills the requirements for Item (5) Clinics.

None of the schools fulfills requirements for Item (6) Toilets. The outside toilet facilities at Claxton School are unsanitary and should be inside; Niota needs 5 additional urinals and 7 lavatories to fulfill requirements; Riceville needs at least 2 more urinals and 6 lavatories to fulfill requirements.

All three schools fulfill the requirements for Item (7) Drinking Water. The source of drinking water in each school is approved by the State Department of Public Health.

None of the schools fulfills the requirements for Item (8) Classroom. The majority of the classrooms are inadequate.

Only One school, Riceville, fulfills the requirements for Item (11) Library.

All three schools fulfill the requirements for Item (16) Ceiling Height.

None of the schools provides adequate storage to fulfill requirements for Item (23) Storage Space.

All three schools fulfill the requirements for Item (24) Auditorium.

None of the schools fulfills the requirements for Item (25) Cafeteria. The floor space is entirely inadequate in each school to take care of the children.

None of the schools fulfills the requirements for Item (26) Health Education Facilities. Although Riceville has an auditorium-gymnasium, there are no indoor facilities provided for the smaller children. The other two schools have no indoor facilities whatsoever.

CHAPTER V

COUNTY JUNIOR-SENIOR HIGH SCHOOLS

There are three schools in the county which embrace grades 1 through 12, and these are classed as junior-senior high schools. They are Calhoun, Englewood, and J. L. Cook. Calhoun and Englewood are county schools; however, only grades 9 through 12 of the J. L. Cook School are under the county school system; the other grades 1 through 8 are a part of the Athens City School System. Since the building houses grades 1 through 12 and as such must meet certain minimum requirements, it is considered along with the other two county schools.

Calhoun School

Calhoun School is one of the three schools in McMinn County which houses grades 1 through 12. The school site contains 12 acres of land which is well cared for. The basic requirement for school site of new buildings in any 12 grade school is eight acres, plus one additional acre for any 100 students of anticipated enrollment; therefore, there is plenty of space available for future building and playground needs unless something unforeseen happens.

There are three primary corridors. Two of these are each 12' wide, and thus meet the required measurement of 10';

the other corridor is 9' 4" wide and thus does not meet the requirement.

There are seven exits remote from each other and all exit doors are 38" wide. Three of the exits consist of double doors and are located on the main floor. The remaining four exits are single doors; two are located on the main floor, one opens on to a firescape on the second floor, and the fourth leads from the basement classroom. The exits fulfill the required measurements and seem to be distributed so as to allow comparatively safe exit from the building.

The three story building is constructed of brick and does not have fire resistant corridors nor fire resistant stairways; therefore, the building does not meet the requirement for a three-story building.

Only 189 sq. ft. of office space is provided. Since this school has twelve teachers, it should have 300 sq. ft. of office space in order to meet the requirements.

Clinical services are provided in part of the office space. To fulfill the requirement for Item (5) Clinics, separate space should be provided.

The net enrollment for the school year 1949-50 was used as a basis for calculation regarding Item (6) Toilets. There is one water closet for each 24 girls, thus exceeding the requirement of one for each 30 girls. There is one water closet for each 34 boys; this meets and exceeds the requirement

of one for each 40 boys. Urinals are used at the rate of one for each 84 boys; this does not meet the requirement of one for each 40 boys. One lavatory for each 156 students is furnished while the requirement is one for each 50 students.

There is running water inside the building, the source of which meets the sanitary requirements of the State Department of Public Health.

There are seven classrooms, three of which fulfill the requirement of 20 sq. ft. per pupil and four rooms which do not. The actual status of each classroom is given in Table VII on page 101.

There is a science laboratory with a floor area of 16 sq. ft. per pupil which is considerably less than the required 30 sq. ft.

The combination home making laboratories have a floor space of 34 sq. ft. per pupil; this is much less than the required space of 45 sq. ft. per pupil. There is storage space in connection with the department, but there are no living room and dining room, and rest rooms.

The library is a combination of library and study hall. Computed on the basis of 20 sq. ft. per pupil, the library has a pupil capacity of 53 and contains seating facilities for 67 seats. Actually there are now 15 sq. ft. per student which is much less than the required 45 sq. ft. per student.

The commercial room has a floor area of 28 sq. ft. per

pupil when the required amount of floor space per pupil is 30 sq. ft.

There are no art rooms nor music rooms.

The agriculture classroom consists of 24 sq. ft. per pupil and this exceeds the required amount of 20 sq. ft. per pupil. The shop room has a floor area of 104 sq. ft. per pupil; this is considerably greater than the required 60 sq. ft.

The ceiling height of the classrooms is 11' 9", thus exceeding the requirement of 11'. This additional 9" is not necessarily needed because it only requires more heat and care.

There are student lockers in the halls, and they are used by the larger children. Cloakrooms are not provided for the smaller grades.

The auditorium was built to be used as either an auditorium or a gymnasium. When used as an auditorium the school has 250 folding chairs which it uses. Based on a requirement of 7 sq. ft. per person, the floor area allows a capacity of 457.

There is a cafeteria with a capacity of 90 in the basement of the building. This allows 9 sq. ft. of space to each person being served. This does not meet the requirement of 10 sq. ft. per pupil and does not make it possible to serve all students enrolled in three shifts or less.

The gymnasium is used as a combination auditorium-

gymnasium. There are no dressing rooms or shower rooms other than the rest rooms for the boys and girls. There are no play rooms in the school for the smaller children and they have to depend on the outdoor play facilities.

TABLE VII

CLASSROOMS - COUNTY JUNIOR-SENIOR HIGH SCHOOLS

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Englewood						
103	22x33	36	51	15		14
104	22x33	36	50	14		15
201	22x28	31	41	10		15
202	22x28	31	41	10		15
203	22x28	31	45	14		14
204	22x28	31	44	13		14
205	22x28	31	25		6	25
207	22x35	39	32		7	24
208	22x30	33	28		5	24
209	22x30	33	29		4	23
210	22x35	39	33		6	23
301	22x28	31	37	6		17
302	22x28	31	39	8		16
303	22x28	31	41	10		15
304	22x28	31	49	18		13
305	22x28	31	47	16		13
306	22x32	35	48	13		15
307	22x35	39	31		8	25
308	22x30	33	26		7	25
309	22x30	33	35	2		19
310	22x35	39	33		6	22
311	15x17	13	26	13		10
Calhoun						
101	22x27	30	31	1		19
102	21x27	28	37	9		15
103	21x27	28	26		2	22
104	21x27	28	35	7		16
105	20x35	35	31		4	23
106	20x35	35	35	0	0	20
204	21x21	22	30	8		15
J. L. Cook						
3	20x30	30	45	15		13
4	20x30	30	40	10		15
5	20x32	32	41	9		16
7	20x30	30	42	12		14
8	20x30	30	32	2		19

CLASSROOMS - COUNTY JUNIOR-SENIOR HIGH SCHOOLS (Continued)

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
J. L. Cook (Continued)						
9	20x30	30	23		7	26
10	20x30	30	37	7		16
11	20x20	20	15		5	26

Englewood School

Englewood School is one of the three schools in McMinn County which houses grades 1 through 12. The school site contains ten acres of land which is well cared for. The basic requirement for school site of new buildings in any 12-grade school is eight acres plus one acre for each 100 anticipated enrollment. Since there was an enrollment of over 800 for the school year 1949-50, eight additional acres are needed, to make a total of sixteen acres. The requirements are not fulfilled.

There are eight primary corridors each 10' wide, thus the basic requirement of 10' is met. There are four secondary corridors each 5' wide and thus are 3' short of the required 8'. All corridor ceilings are 12' high, exceeding the requirement of 9'6".

There are seven exits remote from each other and the total exit facilities allow 70" in width for each 100 people to be housed at any one time. The exit doors are 36" wide. The exits fulfill the required measurements set forth in Item (2) Exits.

The 3-story building is of brick construction. It does not have fire resistant corridors nor fire resistant stairways with the exception of two stairways in the newer addition which are fire resistant; therefore, the building does not meet the requirements for a 3-story building.

Only 255 sq. ft. of floor area is provided for office space in this school plant of thirty teachers where at least 300 sq. ft. should be provided.

Part of the office space is used for clinical services. To fulfill requirements for Item (5) Clinics, separate space should be provided.

The requirements for Item (6) Toilets are far from fulfilled. The net enrollment for the school year 1950, 424 girls and 440 boys, was used as a basis for calculation. There is one water closet for each 39 girls where there should be one for each 30 girls; there is one water closet for each 55 boys where there should be one for each 40 boys; there is only one urinal for each 147 boys where there should be one for each 40 boys. The lavatories are in the ratio of one fixture for each 79 pupils while the required ratio is one for each 50 pupils.

The building has running water which meets sanitary requirements of the State Department of Public Health.

There are twenty-two classrooms. Ten of these fulfill the requirement of 20 sq. ft. floor space per child and twelve do not fulfill the requirement. The extent to which the requirement is fulfilled may be seen in Table VII on page 101

There is no science laboratory.

The combination homemaking laboratories have a floor

space of 43 sq. ft. per pupil; this is less than the required 45 sq. ft. per pupil. There is no living-dining room, neither are there rest rooms nor storage closets in connection with the department.

There is a library with a pupil capacity of 38 and with seating facilities for 48; this allows only 15 sq. ft. floor space per pupil instead of the required 20 sq. ft. To meet requirements the library should have a pupil capacity of 48 and thus accommodate the largest class in the school; furthermore, the library should have a pupil capacity of 84 in order to house 10% of the enrollment.

There is a commercial room with a floor area of 25 sq. ft. per pupil; this is less than the required 30 sq. ft. per pupil.

There are no art rooms or music rooms. There is a room with 255 sq. ft. of floor space designated as a music room but it is only used for private piano lessons and for storage of band instruments.

Agriculture is taught and a separate building which includes a classroom, shop, toolroom, and office is provided. the Classroom has a pupil capacity of 36 and the shop has a capacity of 19, both of which are adequate for the school's needs.

The ceiling height of all classrooms is 12'; however, the ceiling height of the agriculture room is only 9'6";

therefore, the requirements for Item (16) Ceiling Height are not met in full.

Requirements for Item (23) Storage Space are only partially fulfilled since only fourteen of the twenty-two classrooms have cloakrooms and there are no lockers provided for the older students.

An adequate auditorium with stage and dressing rooms is provided. The auditorium has a capacity of 649 and there are seating facilities for 500.

The school has an "above the average" cafeteria. Kitchen and storage space are separate from the lunch room. The floor space allows 13 sq. ft. per child to be served which exceeds the required 10 sq. ft. per child. However, the cafeteria does not wholly fulfill the requirement that it should be large enough to serve all students enrolled in the school in at least three shifts. With an enrollment of 800 or greater, if every child should eat at the cafeteria, it would take about six or more shifts to serve them.

J. L. Cook School⁸

J. L. Cook School is both a city and a county school. The elementary division of the school is supported by the City of Athens and the high school section is supported by McMinn County. Since the building houses grades 1 through 12 and must meet certain requirements because of this classification, it is being evaluated at one writing rather than as a city elementary school and as a county high school.

The school site contains four acres of land; this is far from adequate. There is a basic requirement of eight acres plus an additional acre for each 100 anticipated enrollment. The enrollment for the school year 1949-50 was 308; therefore, three additional acres are needed to make a total of eleven acres which are necessary in order to meet requirements for School Site.

The building has one primary corridor 10' wide, and, therefore, meets the required width of 10'.

There are three exits remote from each other. All exit doors are 36" wide and the total exit facilities allow 48" per 100 people to be housed at any one time; therefore, the requirements for Item (2) Exits are fulfilled.

The building fulfills the requirements for a one-story building since it is only one story high and of brick construction.

Only 200 sq. ft. of office space is allowed. Since

⁸colored school

there are eleven teachers, at least 300 sq. ft. of space should be allowed.

Part of the office space is used for clinical services. In order to meet requirements for Item (5) Clinics, separate space should be provided.

The requirements for Item (6) Toilets are partially fulfilled. The enrollment for 1949-50 of 146 girls and 162 boys was used in the calculation. There is one water closet for each 21 girls and one water closet for each 27 boys; both of these ratios exceed the requirements. There is only one urinal for each 81 boys where there should be one for each 40 boys. The lavatories are in the ratio of one for each 154 students whereas they should be in the ratio of one for each 50 students.

There is running water inside the building, the source of which is approved by the State Department of Public Health.

There are eight classrooms and only two of these fulfill the requirement of 20 sq. ft. floor space per pupil. The floor space of each classroom is given in Table VII on page 101.

There is no science laboratory.

There is a homemaking laboratory which has a floor space of 32 sq. ft. per pupil. This does not meet the required 45 sq. ft. per pupil.

There is a library which has a floor area of 18 sq.

ft. per pupil instead of the required 20 sq. ft. It has a pupil capacity of 30 which is large enough to house 10% of the enrollment but it would not house the largest class in school; therefore, the library does not fulfill requirements for Item (11) Library.

There are no commercial rooms, art rooms, nor music rooms.

There is a work shop which is more of a manual training shop than an agriculture shop. Allowing 60 sq. ft. per pupil, the shop has a pupil capacity of 10 and, therefore, is adequate.

The ceiling height of all classrooms is 12', and thus meets the required height of 11'.

Requirements for Item (23) Storage Space are not fulfilled since no storage space is provided for the pupils' wraps.

There is an adequate auditorium which is used primarily as a gymnasium. It has a capacity of 337 and folding chairs are available to seat 285. There is a stage with dressing rooms in connection with the auditorium.

There is a cafeteria with a floor area of 9 sq. ft. per pupil; this is just a little less than the required 10 sq. ft. per pupil to be served. Separate storage space is provided and the adjoining homemaking laboratory is used as a kitchen.

Adequate indoor and outdoor facilities for health education are not provided to meet requirements for Item (26) Health Education Facilities.

Summary - County Junior-Senior High Schools

Only one of the three schools fulfills the requirements for School Site; this is Calhoun School.

Only one school, Cook, fulfills the requirements for Item (1) Corridors.

All three schools fulfill requirements for Item (2) Exits. In considering the requirements for this item, the number and distribution of the exits, the width of the exit doors, and the total exit facilities were examined to determine their adequacy; if they were adequate, then the requirements were considered fulfilled.

Only one school, Cook, fulfills the requirements for Item (3) Heights. This is a one-story building. The other two schools are two and three-story buildings and they do not have fire resistant stairways and corridors.

None of the schools fulfills the requirements for Item (4) Office Space.

None of the schools fulfills the requirements for Item (5) Clinics.

None of the schools fulfills the requirements for Item (6) Toilets. Calhoun School needs at least two more urinals and four lavatories to fulfill requirements; Englewood needs three water closets for girls, three water closets for boys, seven urinals and six lavatories, to fulfill requirements; Cook needs two urinals and four lavatories to

fulfill requirements.

All the schools fulfill the requirements for Item (7) Drinking Water. The source of drinking water in each school is approved by the State Department of Public Health.

None of the schools fulfills requirements for Item (8) Classroom.

Only one school, Calhoun, has a science laboratory and it does not fulfill requirements for Item (9) Science Laboratories.

Although all three schools have homemaking laboratories, none of them fulfills requirements for Item (10) Homemaking Laboratories.

None of the schools fulfills the requirements for Item (11) Library. The libraries are too small.

Only two of the schools have a commercial room and both of these are inadequate to meet requirements for Item (12) Commercial Rooms.

None of the schools has an art room or a music room; therefore, Items (13) Art Room and (14) Music Room are not considered.

All three schools fulfill requirements for Item (15) Agriculture Room.

Two of the schools fulfill requirements for Item (16) Ceiling Height.

None of the schools fulfills the requirements for

Item (23) Storage Space. Cloakrooms should be provided for the lower grades and lockers for the higher grades.

All three schools fulfill the requirements for Item (24) Auditorium.

None of the schools fulfills the requirements for Item (25) Cafeteria.

None of the schools fulfills the requirements for Item (26) Health Education Facilities.

CHAPTER VI

COUNTY SENIOR HIGH SCHOOLS

There are two high schools in the county which embrace only grades 9 through 12; these are Etowah and McMinn located at Etowah and Athens, respectively. Only two of the items under minimum requirements, Item (13) Art Room and Item (14) Music Room, are non-existent in both schools and are, therefore, not considered.

Etowah High School

Etowah High school site contains five and one-half acres of land. According to the requirements for new buildings, the school site for this school should contain eleven acres; therefore, to meet the requirements an additional five and one-half acres is needed.

There are two primary corridors each 9'8" wide; these do not meet basic requirements of 10'. There are two secondary corridors, 6' wide and 4' wide; these do not meet the basic requirement of 8'. All corridor ceilings are 12' high, and thus meet the requirement of 9'6".

There are six exits remote from each other and the total exit facilities allow 120" in width for each 100 people to be housed at any one time. The exit doors are 36" wide; four of the exits are double doors and two are single doors.

The exits meet requirements for Item (2) Exits.

The two-story building is of brick construction. The primary corridor on the main floor is of concrete and all other corridors, as well as all stairways, are constructed of wood; therefore, the requirements for a two-story building are not met.

Only 210 sq. ft. of floor area is provided for office space. Since there are more than six teachers, there should be at least 300 sq. ft. provided in order to meet requirements.

Part of the office space is used for clinical services. To fulfill requirements for Item (5) Clinics, separate space should be provided.

Requirements for Item (6) Toilets are met and exceeded. Using as a basis for calculation the net enrollment for the school year 1949-50, 147 girls and 150 boys, there is one water closet for each 13 girls, one water closet for each 17 boys, one urinal for each 30 boys, and one lavatory for each 36 students.

The building has running water, the source of which is approved by the State Department of Public Health.

There are eight classrooms plus one room which was formerly a classroom but is now used for storage of desks or a club room. Two of the rooms fulfill the requirement of 20 sq. ft. per pupil and six do not meet the requirement.

The extent to which each classroom fulfills the requirement can be seen in Table VIII on page 119

There is a science laboratory with a floor area of 20 sq. ft. per pupil; this is considerably less than the required 30 sq. ft. per pupil. Storage space is provided but is included in the above floor area.

The combination homemaking laboratories have a floor space of 31 sq. ft. per pupil; this is considerably less than the required 45 sq. ft. per pupil. There is an adequate storage closet in connection with the department; however, there are no rest rooms nor living-dining room.

There is a library which does not meet requirements unless the adjoining study hall is considered as part of the library. The library has a pupil capacity of 19 and seating facilities for 18 students. In order to meet requirements the library should have a pupil capacity of 33 which would house 10% of the enrollment, or a pupil capacity of 37 which would house the largest class in the school. There should also be a separate work room with adequate storage space. The study hall and library are separated by a high counter and swinging gate. The study hall has a pupil capacity of 68 and seats 54.

There is a commercial room with a floor area of 18 sq. ft. per pupil. This is far short of the required 30 sq. ft. per pupil.

There are no art rooms or music rooms. Band is taught in the auditorium.

Agriculture is taught and an agriculture building containing a classroom, shop, tool room and toilet, is provided. The classroom has a floor area of 33 sq. ft. per pupil and the shop has a floor area of 111 sq. ft. per pupil, both of which exceed requirements.

The ceiling height of all classrooms is 12', and thus meets the required height of 11'.

The only storage space provided for students' wraps are lockers in the corridors. This is adequate space since each student has a locker.

An adequate auditorium with stage and dressing rooms is provided. There are seating facilities for 618 and the auditorium has a capacity of 650.

There is a cafeteria which contains the kitchen and has a seating capacity of 52. There is another lunch room across the corridor which has a seating capacity of 36. The combined pupil capacity of the two rooms is 119. The enrollment for 1949-50 was 327; therefore, there would be room to serve all the students in at least three shifts and the cafeteria is adequate for the school's needs.

The school has both indoor and outdoor health education facilities. There is a gymnasium with 5600 sq. ft. of floor area which is used largely for physical education

classes and basketball. In the basement of the gymnasium are girls' shower room with office space, boys' shower room, two boys' dressing rooms with a toilet and office space. Although there are no individual lockers, the facilities are adequate.

TABLE VIII

CLASSROOMS - COUNTY SENIOR HIGH SCHOOLS

School And Room No.	Size Of Room	Pupil Capacity	No. Desks	Over Cap.	Under Cap.	Sq. Ft. Per Pupil
Etowah High						
1	15x30	23	35	12		13
2	15x30	23	32	9		14
3	11x30	17	37	20		9
8	21x30	32	33	1		19
11	17x23	20	30	10		13
14	17x23	20	35	15		11
15	21x30	32	30		2	21
16	21x34	36	36	0	0	20
S.H.	21x65	68	54		14	25
McNirm High						
10	13x22	14	28	14		10
11	16x32	26	20		5	25
21	13x22	14	30	16		10
101	22x32	35	30		4	22
102	24x26	31	35	6		18
103	16x32	26	31	5		17
104	20x32	32	27		5	24
113	22x35	39	37		2	21
201	26x32	42	45	3		18
202	21x26	25	35	10		14
203	21x32	31	35	4		19
204	21x32	34	34	0	0	20
208	17x22	19	29	10		12
209	22x35	39	35		4	22
210	22x35	39	62	22		13
S.H.	21x32	34	63	29		11

McMinn High School

McMinn High school site contains fifteen acres of land. To meet the basic requirements for School Site, there should be eight acres plus one acre for any 100 students of anticipated enrollment, thus six acres are needed, to make a total of fourteen acres. The requirements are met and exceeded by one acre.

There are five primary corridors throughout the building. Two of these are 15' wide and thus exceeds the requirement of 10'; two are 12'6" wide and also exceed the requirement of 10'; however, one corridor is only 9'6" wide and does not quite meet the requirement. There are three secondary corridors. One of these is 12'6" and thus meets the requirement of 8'; the other two are 5'6" wide and do not meet the requirement.

There are seven exits remote from each other and the total exit facilities allow 57" per 100 people to be housed at any one time. Since the enrollment for the school year 1949-50 was 665 and the auditorium capacity is 600, the figure 700 was used in the above calculation. Four of the exits consist of double doors; three of these lead from the primary corridor on the first floor and one leads from the gymnasium. Three of the exits are single doors; two of these lead from either side of the stage dressing rooms and one leads from the cafeteria in the basement. All the exit doors

are 36" in width and meet the requirement. There is a fire escape from the second floor, and there is one exit from the basement other than the wooden stairways.

The three-story building is of brick construction. The newer addition to the building, which consists of the left rear wing, has a concrete corridor in the basement and the stairways are also concrete; however, the other corridors and stairways in the building are not fire resistant; therefore, the building does not meet the requirements for a three-story building.

Only 240 sq. ft. of office space is allowed when at least 300 sq. ft. should be allowed. Since there are twenty-five teachers in the school, more than 300 sq. ft. are needed.

Part of the office space is used for clinical services. In order to fulfill requirements for Item (5) Clinics, separate space should be allowed.

None of the requirements are met for Item (6) Toilets. Using the enrollment for 1949-50 of 354 girls and 311 boys as a basis for calculation, there is only one water closet for each 50 girls where there should be one for each 30 girls; there is only one water closet for each 62 boys where there should be one for each 40 boys; there is only one urinal for each 155 boys where there should be one for each 40 boys. The lavatories are in the ratio of one for each 133 students while there should be one for each 50 students.

There is running water inside the building, the source of which is approved by the State Department of Public Health.

There are sixteen classrooms and one study hall. Ten of the classrooms do not fulfill the required measurement of 20 sq. ft. floor area per pupil and six of the classrooms do fulfill this requirement. The study hall has a capacity of 34 and contains 63 desks, allowing 11 sq. ft. per pupil. The degree to which the rooms fulfill requirements may be seen in Table VIII on page 119.

There is a science laboratory which meets and exceeds the requirements for Item (9) Science Laboratories. There is a floor area which allows 34 sq. ft. per pupil and in addition there is adequate storage room.

The combination homemaking laboratories do not meet the requirements. There is a floor area of 27 sq. ft. per pupil where there should be 45 sq. ft. per pupil. There is a storage room in connection with the department; however, there are no living room-dining room and toilets which are needed to meet requirements in full.

There is a library which fulfills the requirements for Item (11) Library. The floor area gives a capacity of 84 and seating facilities for 74 pupils are provided; this is sufficient to house both the largest class in the school and 10% of the enrollment. There is also a work room and a storage room in connection with the library.

The commercial room does not meet requirements since the floor area only allows 12 sq. ft. per pupil where 30 sq. ft. per pupil should be provided.

There is no art room or music room; therefore, Items (13) Art Room and (14) Music Room cannot be considered.

There is an agriculture shop whose floor area allows a capacity of 12 pupils. The requirements for Item (15) Agriculture Room are not fulfilled since the shop does not allow sufficient space for the largest class and there is not any storage room in connection with the shop.

The ceiling height of all classrooms is 12' and thus meets the required height of 11'.

Lockers in the corridors are provided for storage of pupils' wraps. This is adequate to fulfill requirements for Item (23) Storage Space.

The auditorium has a capacity of 600 and contains 644 seats, thus allowing just a little less than the required 7 sq. ft. per person. Adequate stage space and dressing rooms are provided. To meet requirements for Item (24) Auditorium in full, the floor area should be greater than it is; however, the auditorium is adequate for the school's needs.

The cafeteria does not meet the requirements. The floor area gives a pupil capacity for 140 and there are seating facilities for 114 which allows 14 sq. ft. per child to be fed where only 10 sq. ft. is necessary; however, it is

not large enough for all students to be served in three shifts. The kitchen and storage space are adequate and separate from the eating room.

There is an adequate gymnasium which is used for physical education and varsity basketball. The school has the use of the Field House which is owned by the McMinn County Athletic Association and contains adequate locker rooms, shower rooms and storage space. The facilities seem sufficient to meet the school's needs.

Summary - County Senior High Schools

Only one of the two county senior high schools, McMinn, has enough acreage to meet the minimum requirements for School Site.

Neither of the schools meets requirements for Item (1) Corridors.

Both of the schools meet the requirements for Item (2) Exits.

Neither school has fire resistant corridors nor stairways and, therefore, both fail to meet requirements for Item (3) Heights.

Neither school has sufficient floor area provided for office space to meet requirements for Item (4) Office Space.

Neither school has separate space provided for clinical services and, therefore, fails to meet requirements for Item (5) Clinics.

Only one school, Etowah, meets the minimum requirements for Item (6) Toilets. McMinn needs five more water closets for girls; three water closets for boys; six urinals, and eight lavatories.

Both schools meet requirements for Item (7) Drinking Water.

Neither school wholly fulfills requirements for Item (8) Classroom. Etowah has two out of eight classrooms which fulfill the minimum requirements and McMinn has six out of

fifteen.

Only one school, McMinn, has an adequate science laboratory.

Neither school has adequate homemaking laboratories.

Only one school, McMinn, has an adequate library.

Neither school has an adequate commercial room. The rooms are well equipped but overcrowded.

Neither school has an art room nor a music room.

Only one school, Etowah, has an adequate agriculture room and shop.

Both schools fulfill requirements for Item (16) Ceiling Height.

Both schools have individual lockers for the students and, therefore, fulfill requirements for Item (23) Storage Space.

Both schools have an adequate auditorium to carry on their school activities, and which meet requirements for Item (24) Auditorium.

Only one school, Etowah, has a cafeteria which meets requirements for Item (25) Cafeteria.

Both schools have a large gymnasium and other health education facilities which meet requirements for Item (26) Health Education Facilities.

CHAPTER VII

SUMMARY AND CONCLUSIONS

Of the 48 schools surveyed, there were only 13 schools whose acreage met or exceeded the minimum requirements for School Site. A total of 99 acres of land is needed in order to bring the remaining 35 schools up to the minimum acreage.

Only 17 school buildings contained primary or secondary corridors and only 4 of these wholly met the minimum requirements.

There were 32 school buildings which met the minimum requirements for Exits, leaving 16 schools with inadequate exits.

The majority of the school buildings have only one story. However, there were 8 school buildings which were more than one-story and failed to meet requirements for Heights since they did not have fire-resistant corridors and stairways.

There were only 13 schools which were required to provide office space for the teachers; of these, only 2 had sufficient space provided.

There were also 13 schools which failed to meet the minimum requirements for Clinics. Not a single school had adequate space nor provisions for clinical services.

Only 2 of the 48 schools studied met requirements for

toilet facilities. There were 34 schools with outdoor toilet facilities and since all of these need to be either replaced or repaired, they were not considered adequate. There were 14 schools with indoor toilets and only 2 of these were adequate. In order to bring the other 12 schools up to minimum standards the following toilet facilities are needed: a total of 7 water closets for boys, 37 urinals, 10 water closets for girls, and 44 lavatories.

All 48 schools have adequate Drinking Water. Although the means of drinking the water may not be sanitary in some schools, e.g. the use of bucket and dipper, the source of the water supply is approved by the State Department of Public Health.

Of the 48 schools, only 13 fulfilled the requirements for Classroom one hundred percent, and these were one and two teacher schools. There were a total of 221 classrooms in the 48 schools; of these, only 77 fulfilled the minimum floor space requirement, to leave 144 classrooms which are inadequate.

Only 3 schools in the county had a science laboratory; only one of these, McMinn, had an adequate laboratory.

There were 5 schools which had homemaking laboratories and none of these was adequate.

There were 12 schools which had a library. Six of these were adequate and six inadequate.

Only 4 schools in the county had a commercial room and none of these provided adequate floor space for such a room.

Not a single school in the county contained an art room nor a music room.

There were 5 schools which taught agriculture and provided a work shop; 4 of these were adequate.

There were 36 of the 48 schools which fulfilled the minimum requirement for ceiling height.

Only 11 schools out of the 48 provided enough storage space for pupils' wraps.

There were 19 schools which have an auditorium and 16 of these are adequate for the school's needs.

There are 24 schools which have a cafeteria and only 9 of these are adequate to meet the needs of the school.

Of the total 48 schools, only 10 have adequate health education facilities.

Recommendations

1. It is recommended that wherever and whenever possible, additional acreage adjoining schools with inadequate acreage be purchased in order to meet the minimum requirements for school site.

2. It is recommended that when building new school buildings, more emphasis be placed on safety by the construction

of corridors and stairways which are fire resistant.

3. It is recommended that wherever possible in the eleven schools which fail to meet minimum requirements for office space, additional space shall be provided.

4. It is also recommended that even though separate space is not provided for Clinics, at least more adequate facilities for clinical services shall be provided in all the schools.

5. It is recommended that in those schools which have running water inside the building and outdoor toilet facilities, the toilet facilities should be provided inside the building; in those schools which have outdoor toilets, the toilets should be replaced or repaired in order of their need, as quickly as possible; in the schools with inadequate indoor facilities, the necessary facilities should be purchased and installed wherever and whenever possible.

6. It is recommended that when building new buildings, a special study be made of the floor space needed for the following: individual classrooms, science laboratories, homemaking laboratories, a library, commercial rooms, agriculture room and shop, art and music rooms, health education facilities, cafeteria, and auditorium.

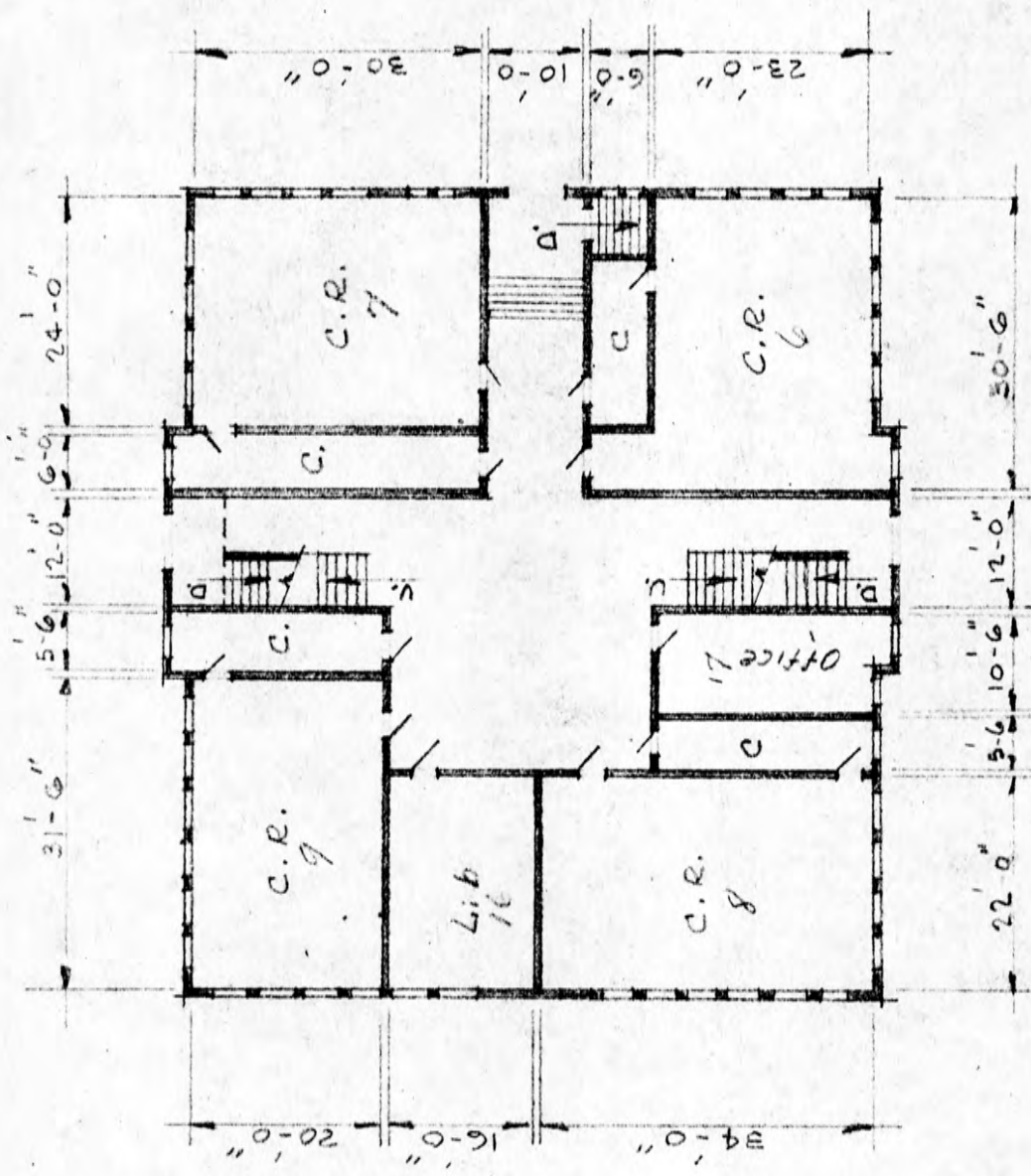
7. It is recommended that when building new buildings, attention be given to ceiling heights of classrooms and that these heights meet but not exceed the minimum requirement of 11 feet.

BIBLIOGRAPHY

BIBLIOGRAPHY

Tennessee State Board of Education, 1949-50 Rules and Regulations, Nashville, Tennessee, May, 1949

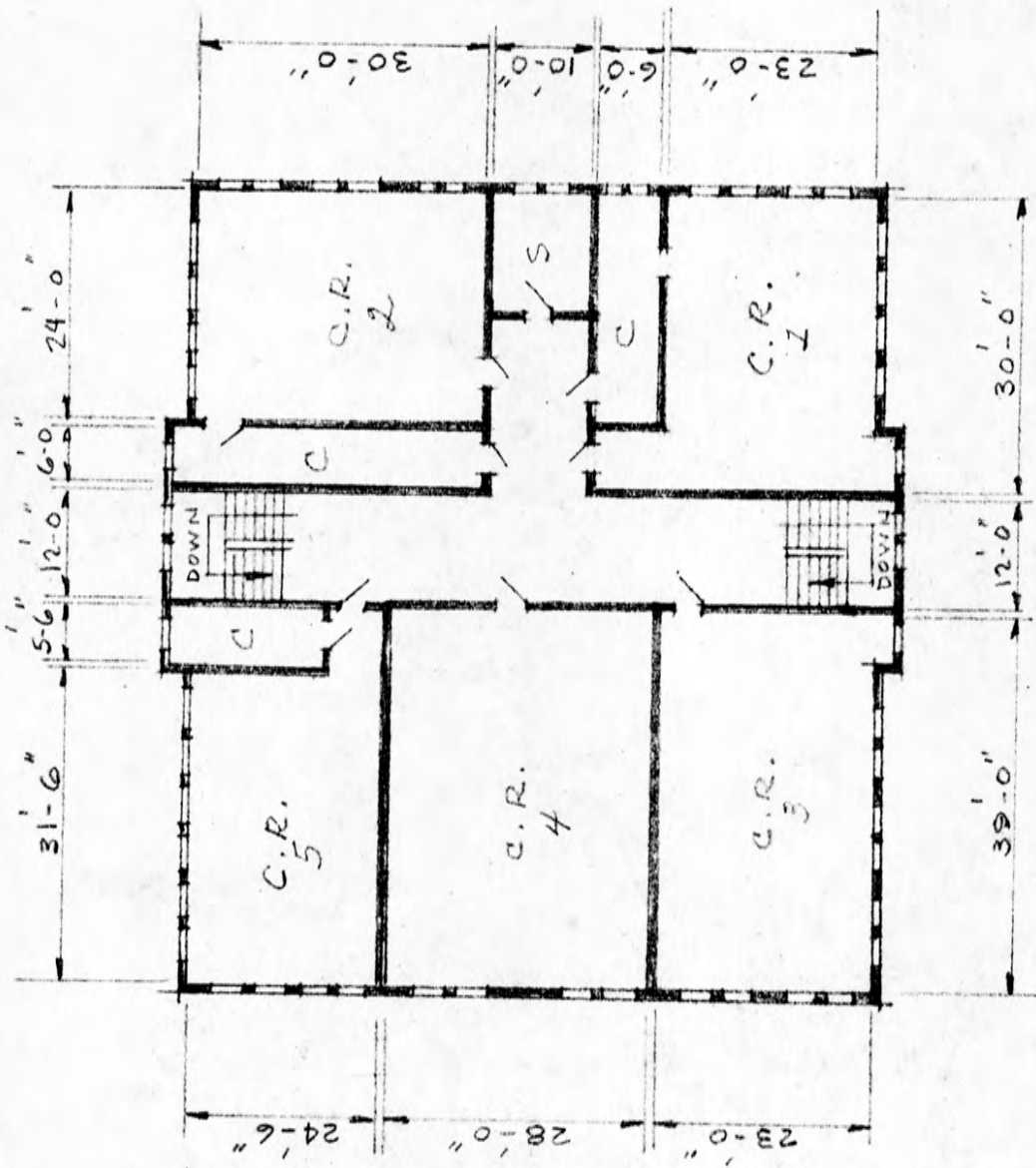
APPENDIX



Windows. 8'-5" x 3'-3" w
 Doors. 6'-10" x 2'-9" w
 Ceiling. 12'-0"

FIRST FLOOR

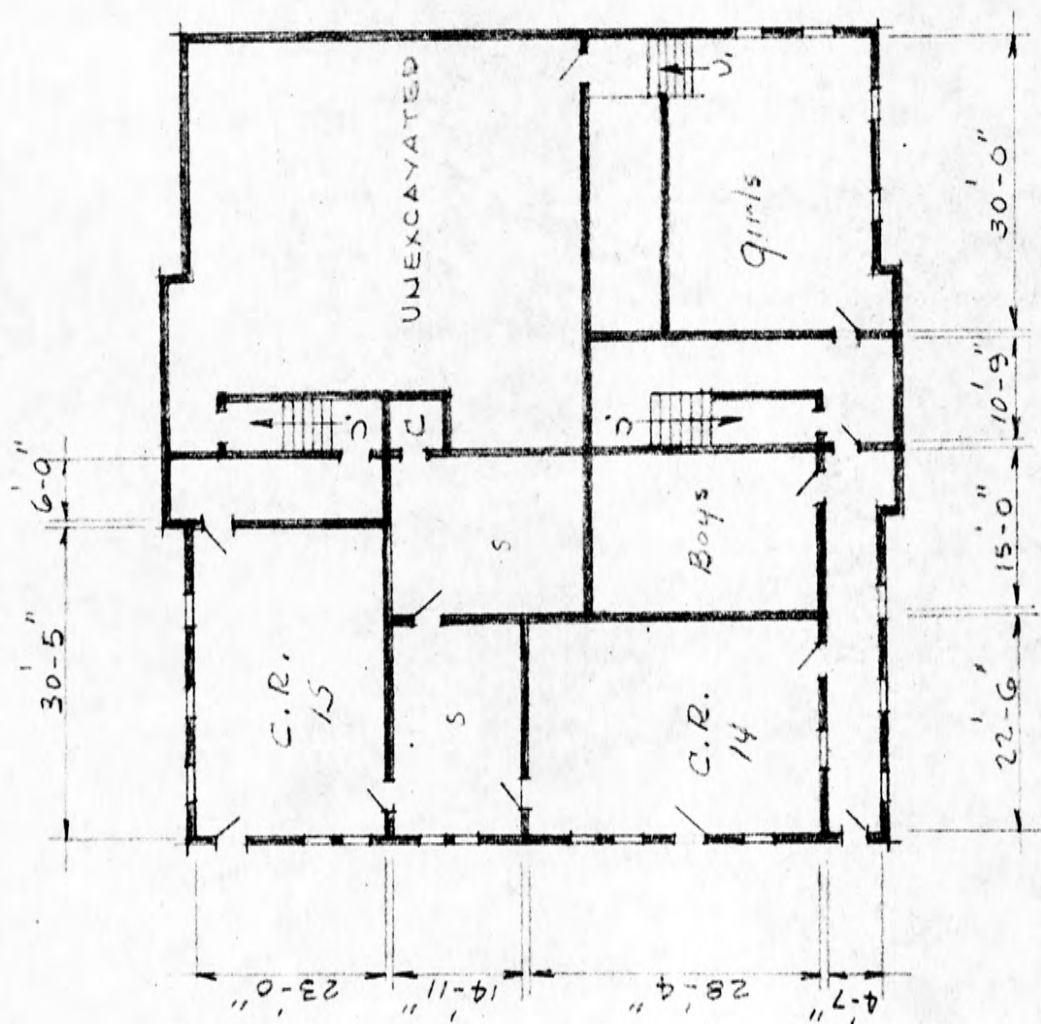
FORREST HILLS SCHOOL
 SCALE 1" = 20'-0"



SECOND FLOOR.

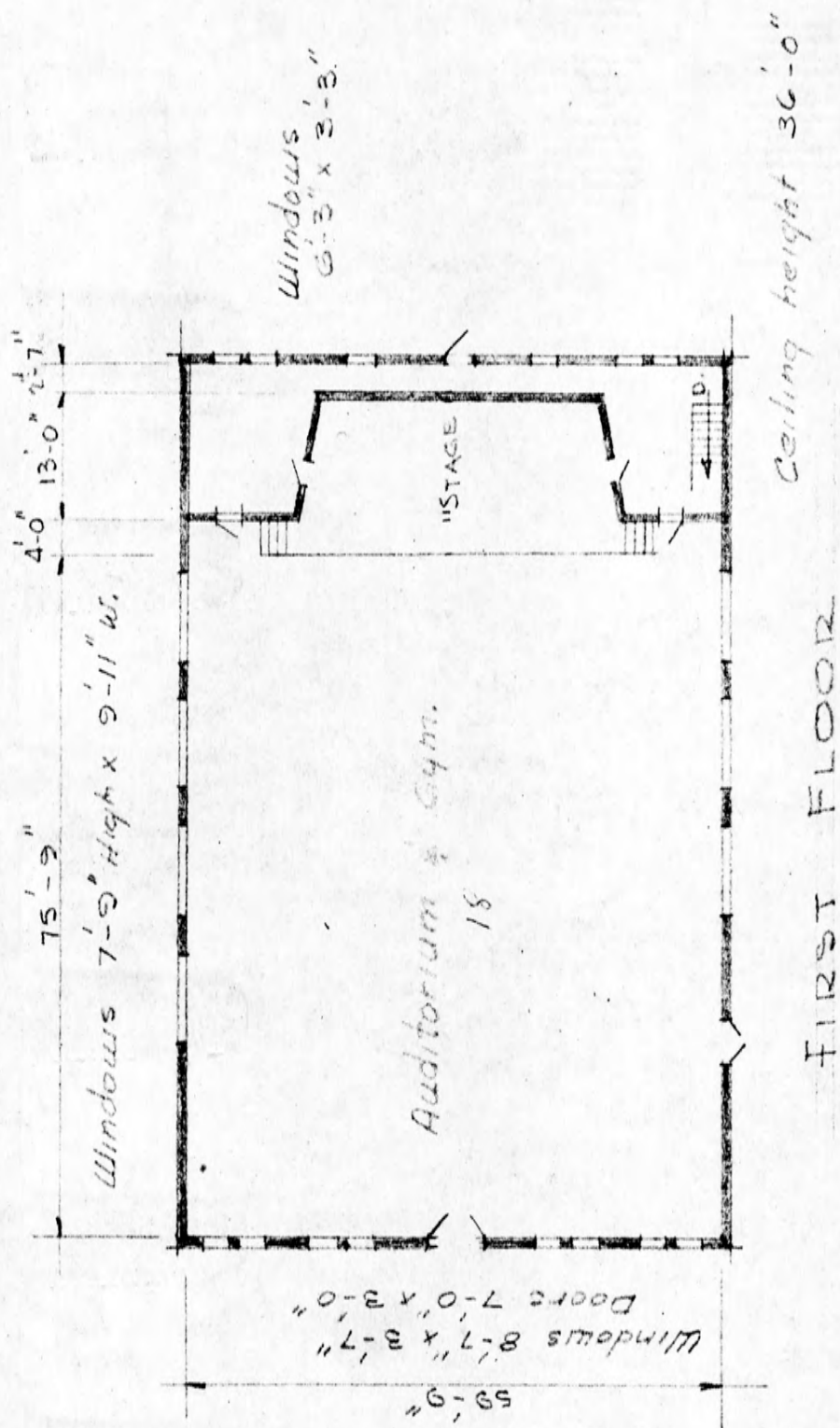
FORREST HILLS SCHOOL

SCALE 1" = 20'-0"



BASEMENT

FORREST HILLS SCHOOL
SCALE 1" = 20'-0"



4-0 13-0 13-7

Windsor 6-L x 11" High 6-11" W.

windows 6'-3" x 3'-3"

Auditorium & Gym.
18

81

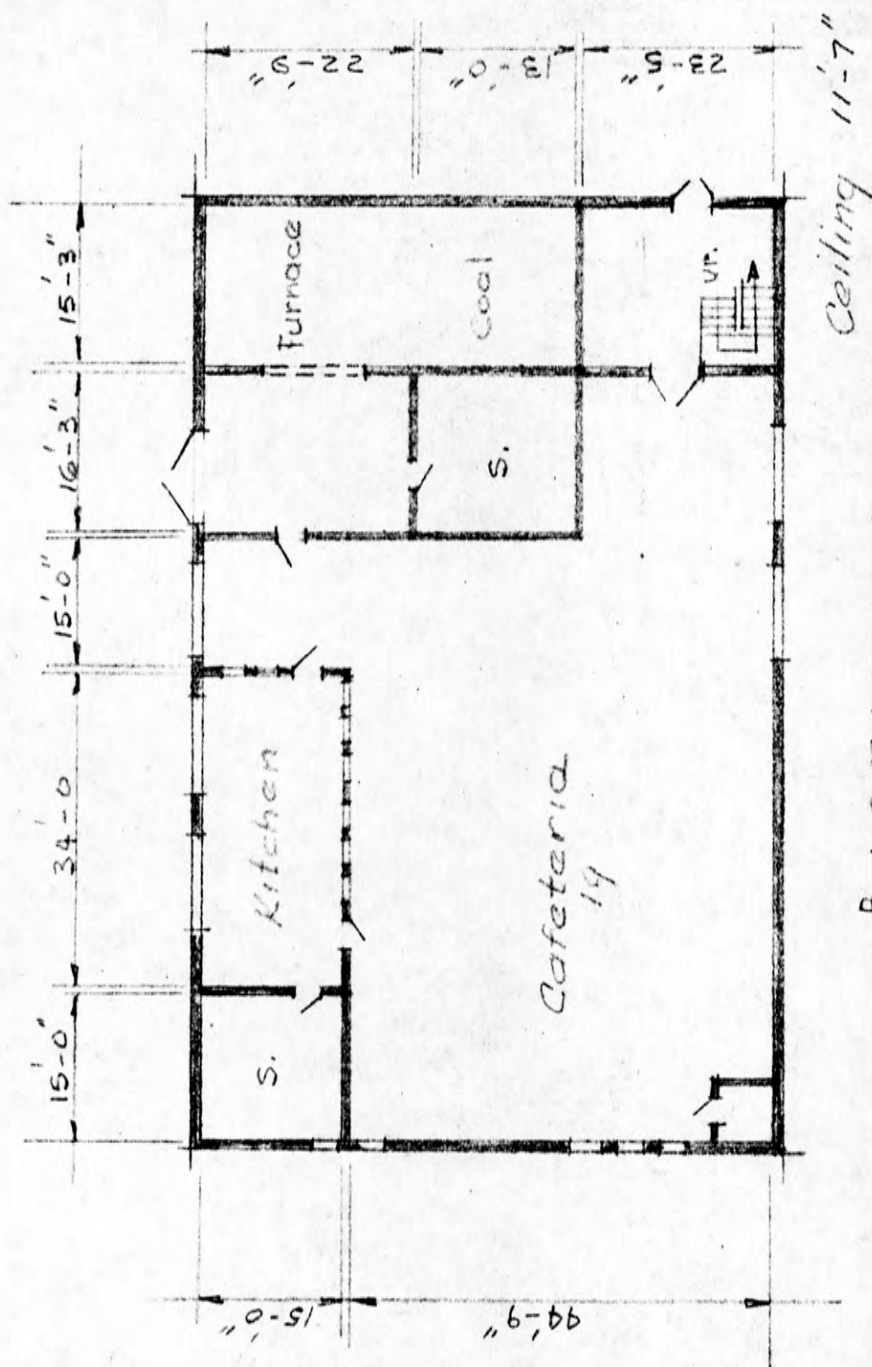
DISCUSSION

Ceiling height 36'-0"

FIRST FLOOR

FOREST HILLS SCHOOL
SCALE 1" = 20'-0"

SUCCESSION = 201-0"

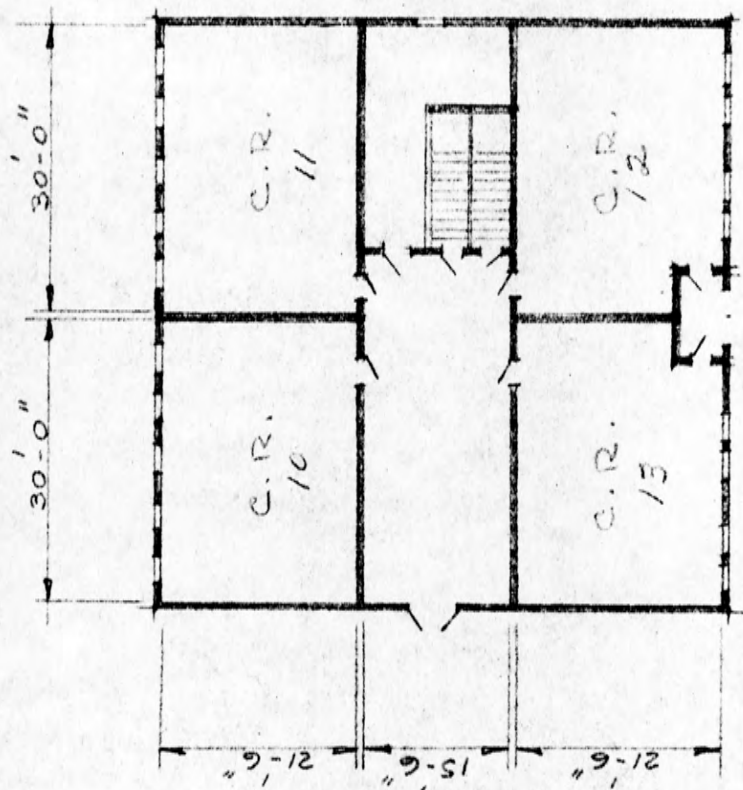


BASEMENT

Windows. 9'-10" W. x 6'-4" high.

Doors. 6'-10" x 3'-0"

FORREST HILLS SCHOOL
SCALE 1" = 20'-0"



Ceiling height 12'-0"

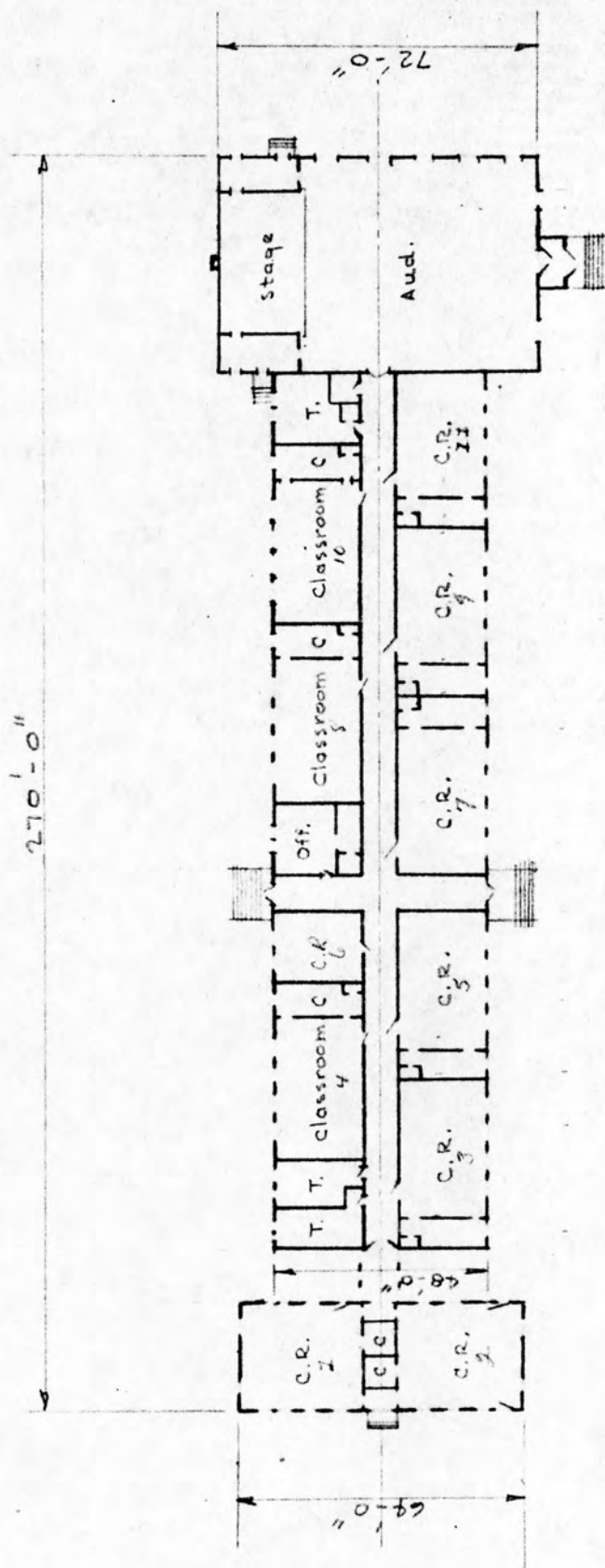
Doors 6'-10" h. x 2'-9" w.

Windows 8'-5" h. x 3'-3" w.

FIRST FLOOR - PRIMARY

FORREST HILL SCHOOL

SCALE 1" = 20'-0"



WINDOWS - 7'6" x 3'6"

DOORS - 7' x 3'

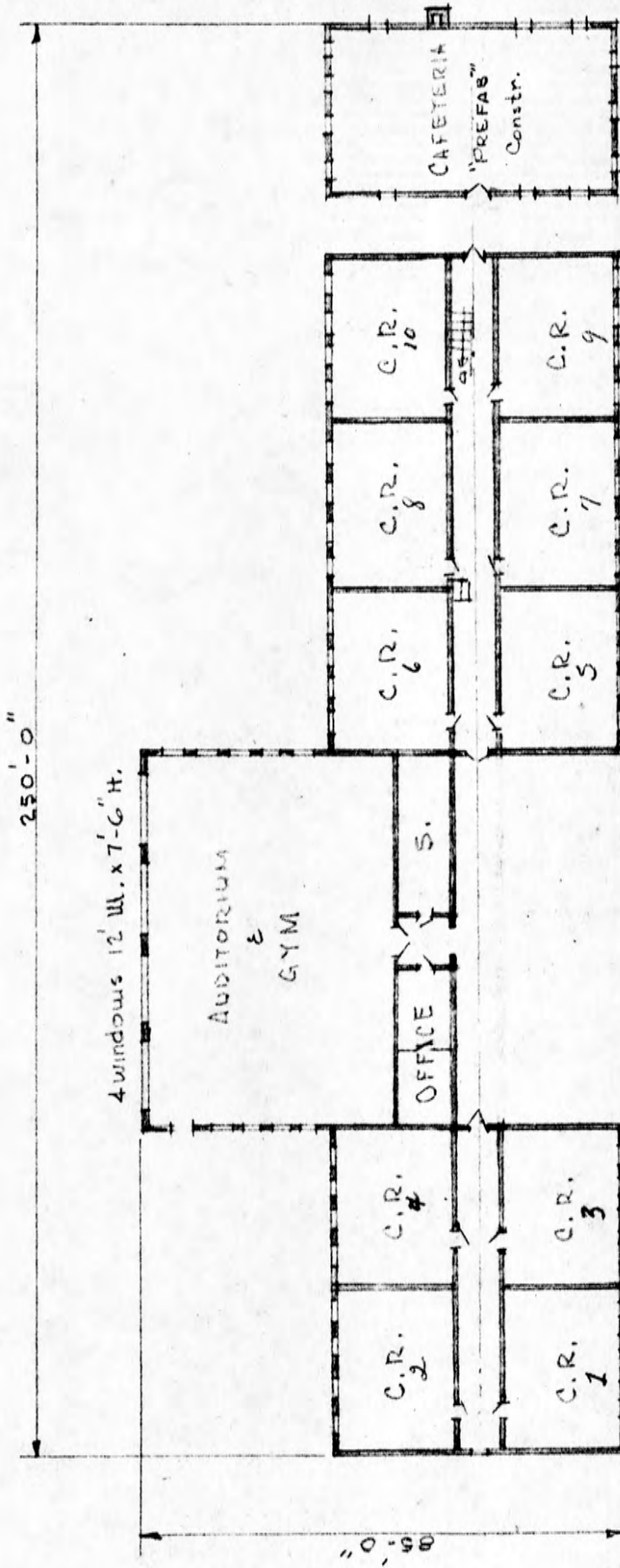
CEILING HEIGHT - 11' 7"

INGLESIDE ELEMENTARY SCHOOL

ATHENS, TENN.

SCALE 1" = 40'-0"

Handwritten signature



windows
4'-2" HIGH
3'-5" WIDE
DOORS 7'-3"

Note: 12'-0" ceiling height.

NORTH CITY SCHOOL

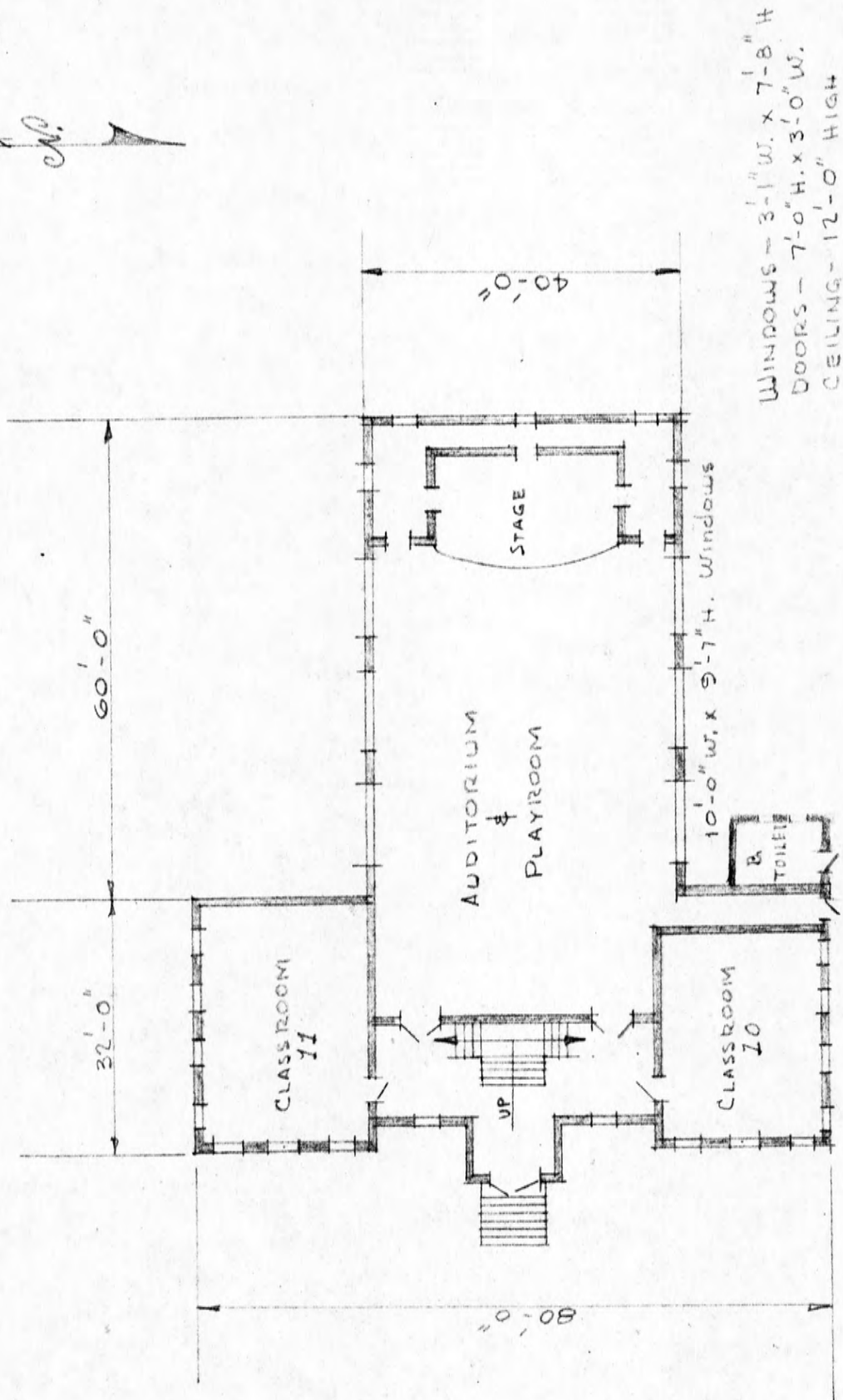
ATHENS, TENN.

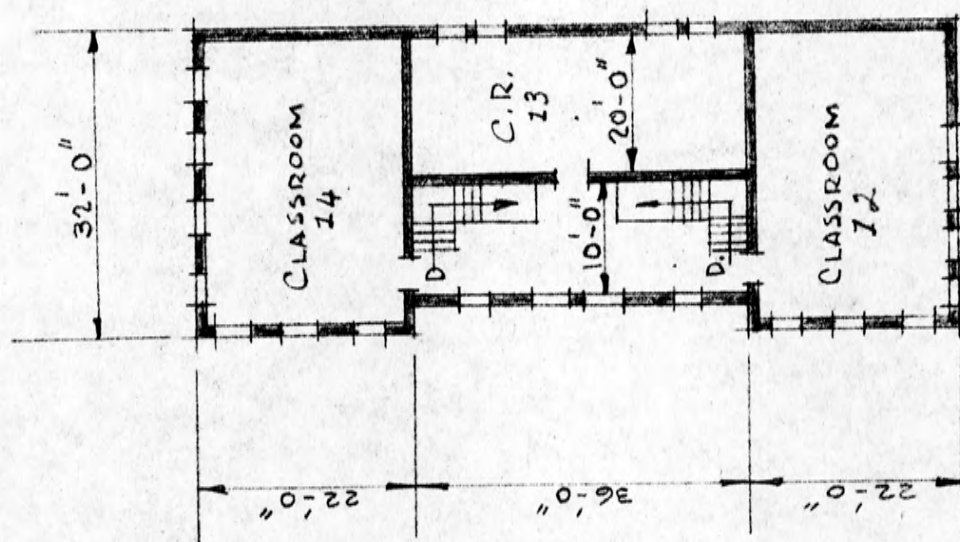
SCALE 1" = 30'-0"

Rooms 11 + 12
IN BASEMENT, SAME
DIMENSIONS AS Rms 9 + 10.
Boys & Girls TOILETS BUILT IN
Rooms 6 + 8

ETOWAH GRAMMAR SCHOOL

SCALE 1" = 20'-0"

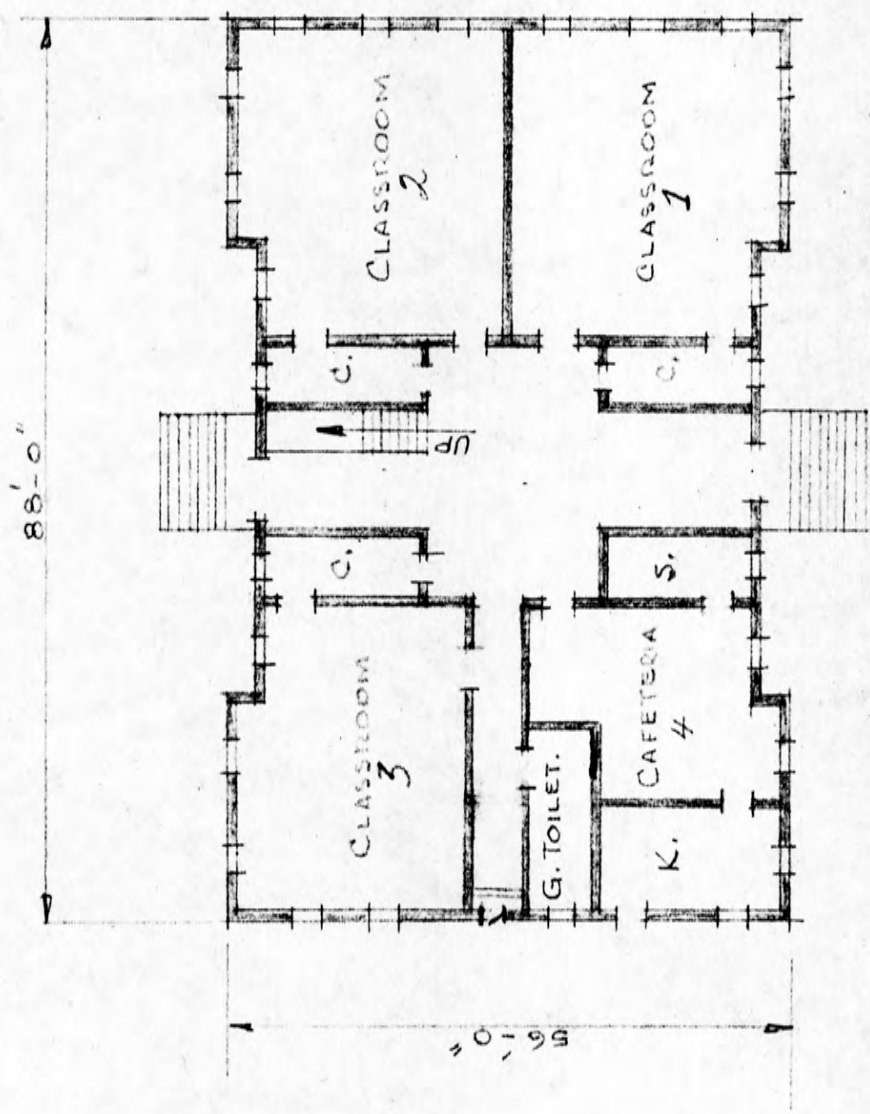




SECOND FLOOR PLAN
ETOWAH GRAMMAR SCHOOL

SCALE 1" = 20'-0"

N.



CEILING HEIGHTS
13'-3"

WINDOWS
3'-4" W. x 9'-3" H.

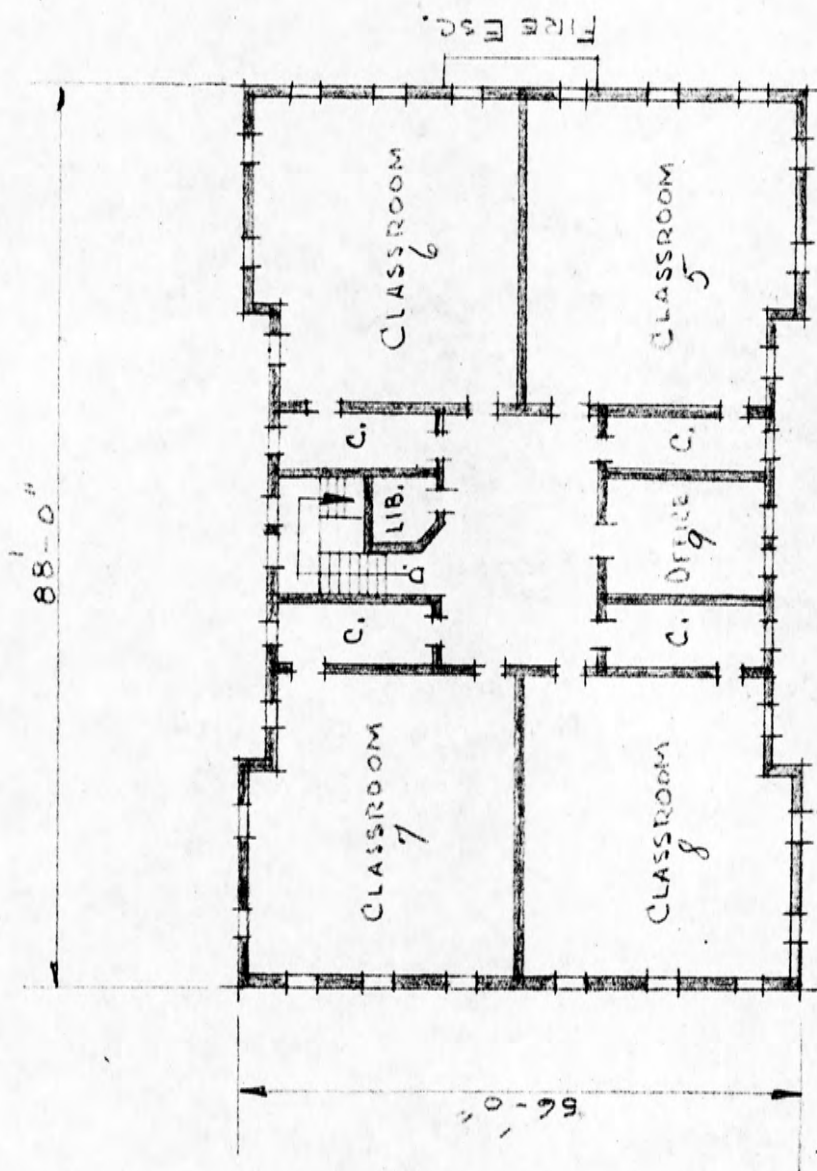
DOORS
7'-5" H. x 3'-6" W.

ETOWAH GRAMMAR SCHOOL

FIRST FLOOR PLAN

SCALE 1" = 20'-0"

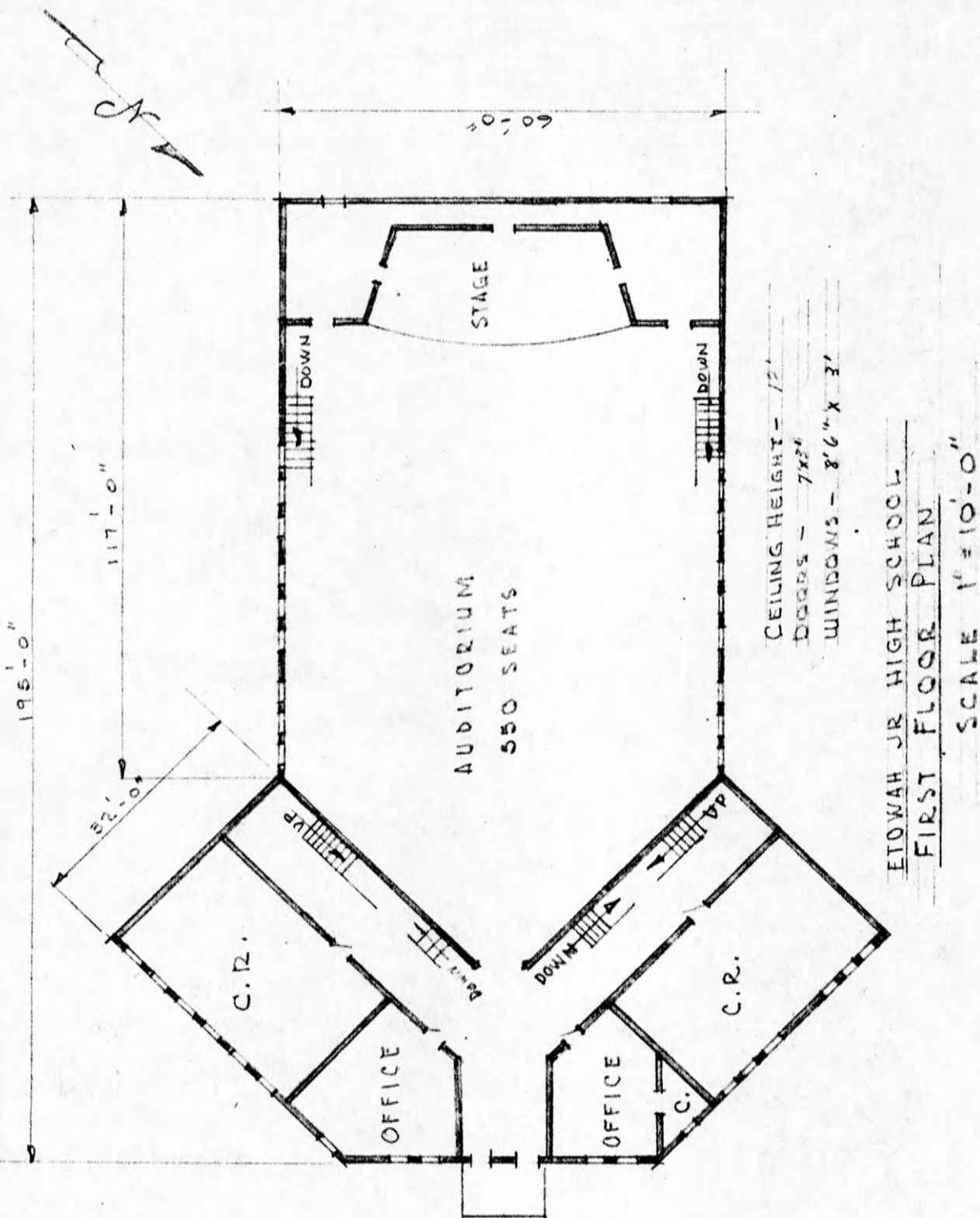
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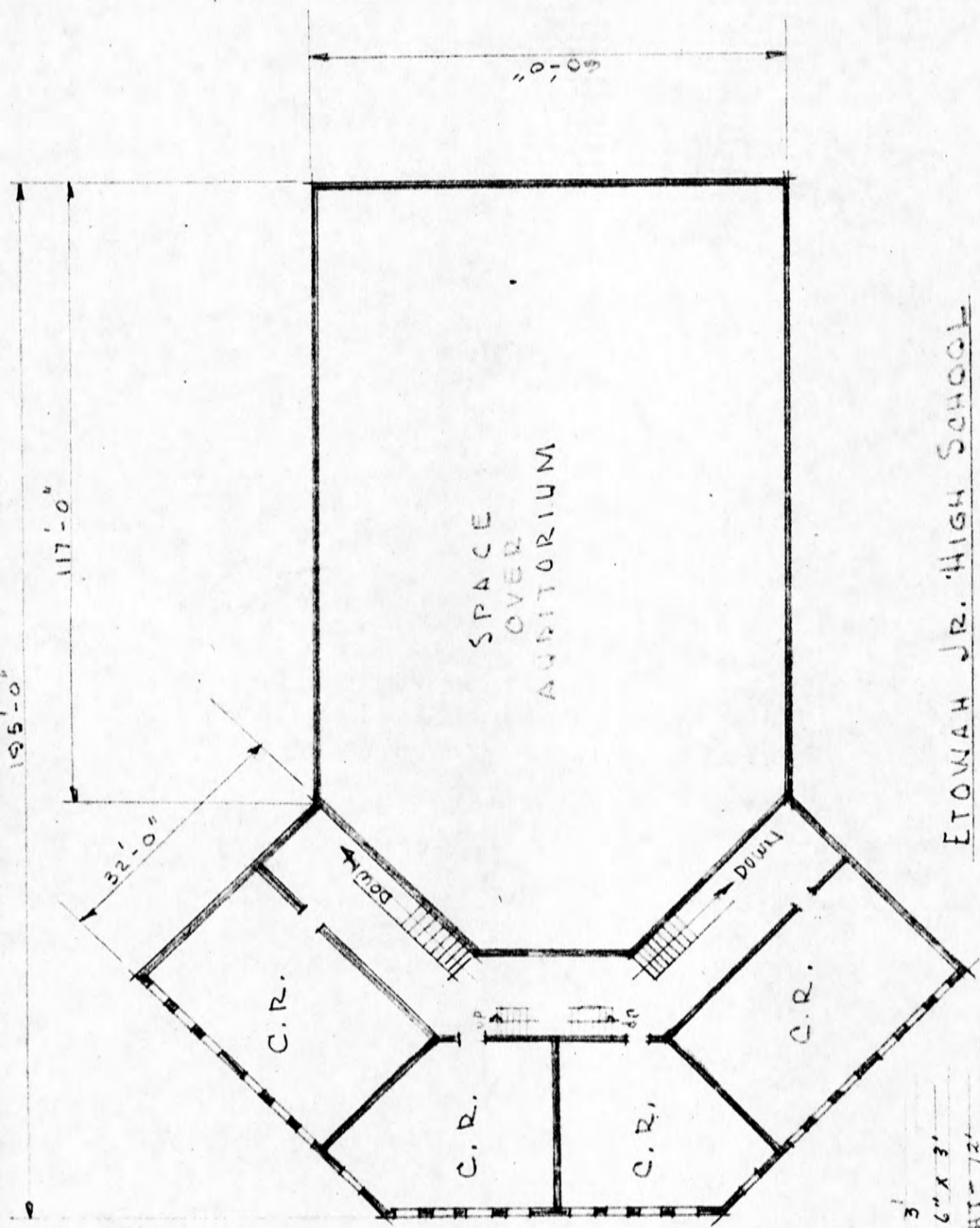


ETOWAH GRAMMAR SCHOOL

SECOND FLOOR PLAN

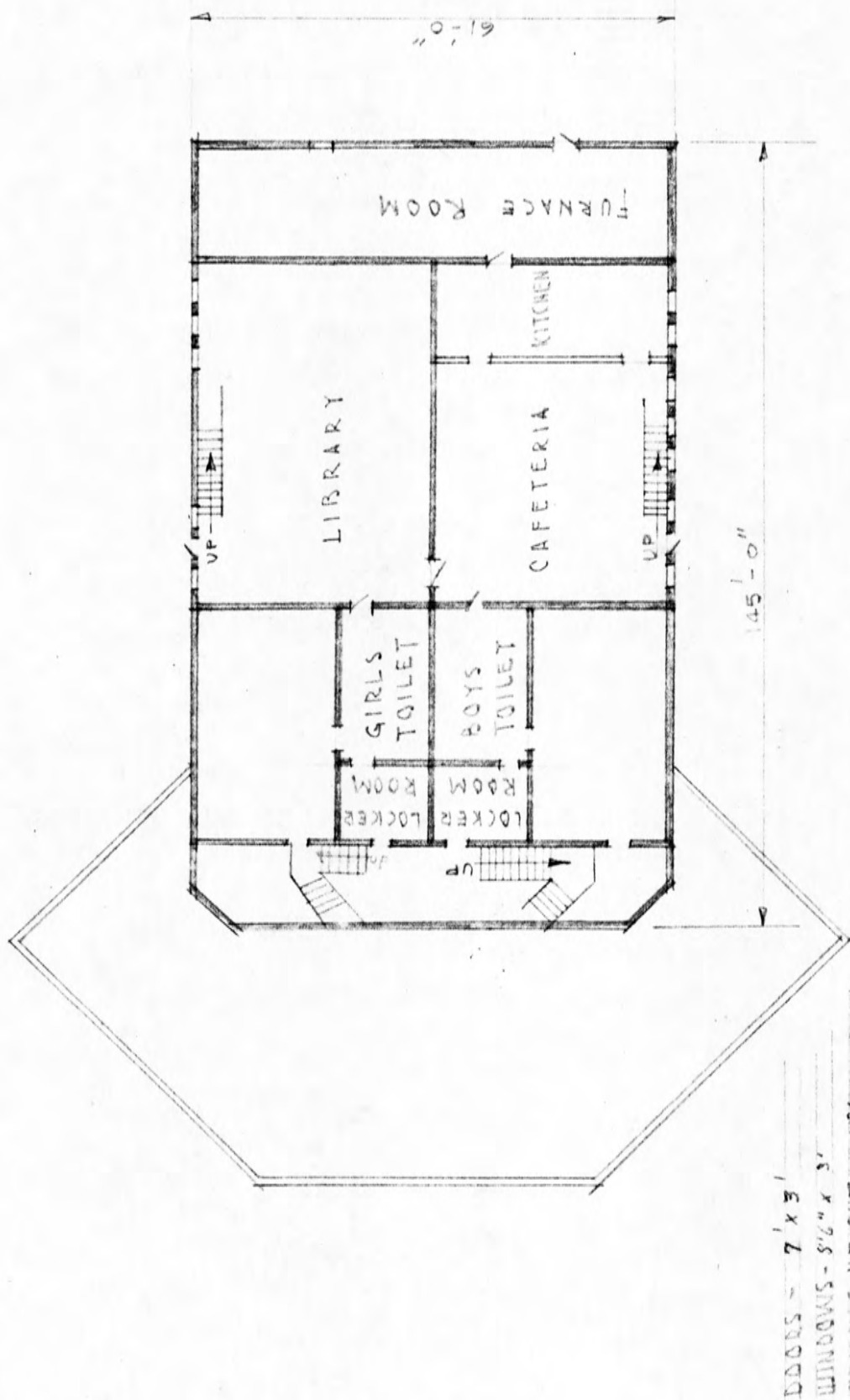
SCALE 1" = 20'-0"

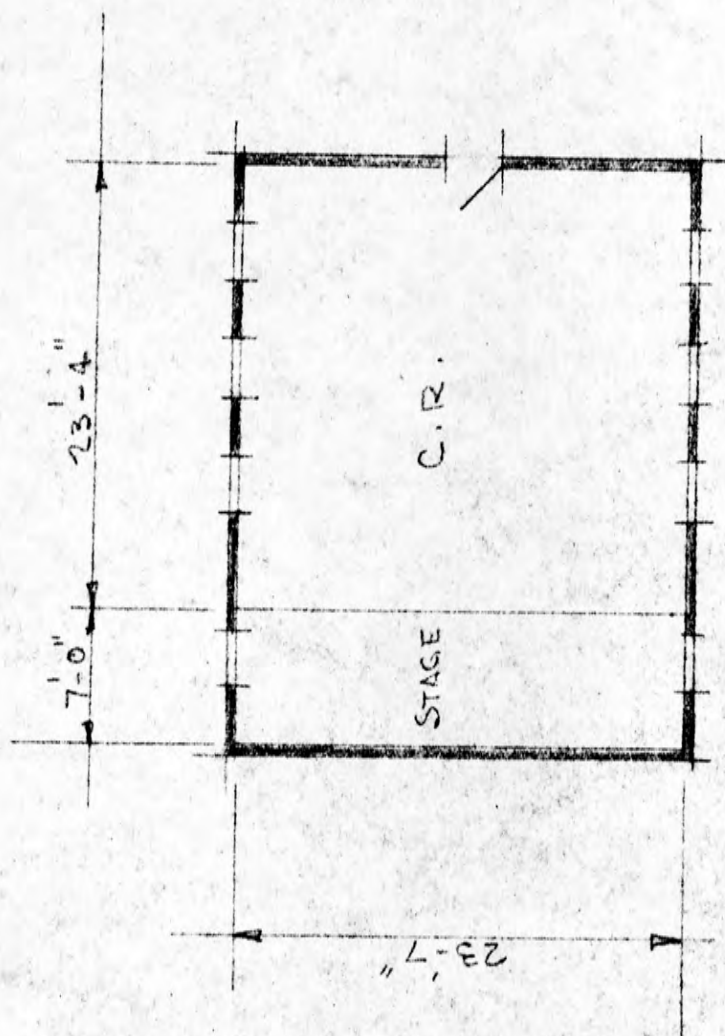




DOORS - 7' x 3'
 WINDOWS - 8' 6" x 3'
 CEILING HEIGHT - 72'

ETOWAH JR. HIGH SCHOOL
 SECOND FLOOR PLAN
 SCALE 1" = 10'-0"



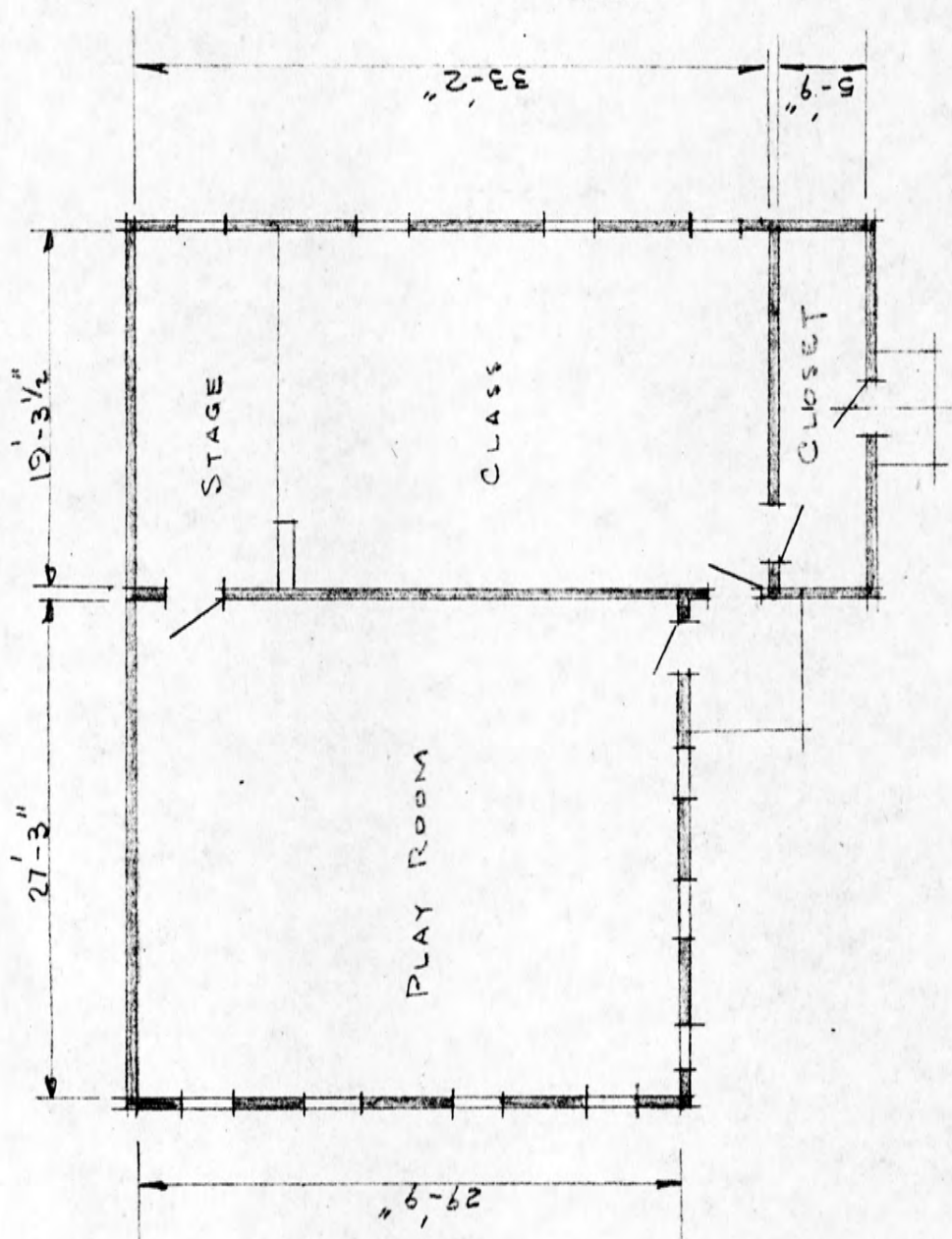


WINDOWS
5'-0" H. x 3'-0" W.
DOORS
7'-0" H. x 3'-0" W.
CEILING
9'-0"

CLAY HILL SCHOOL

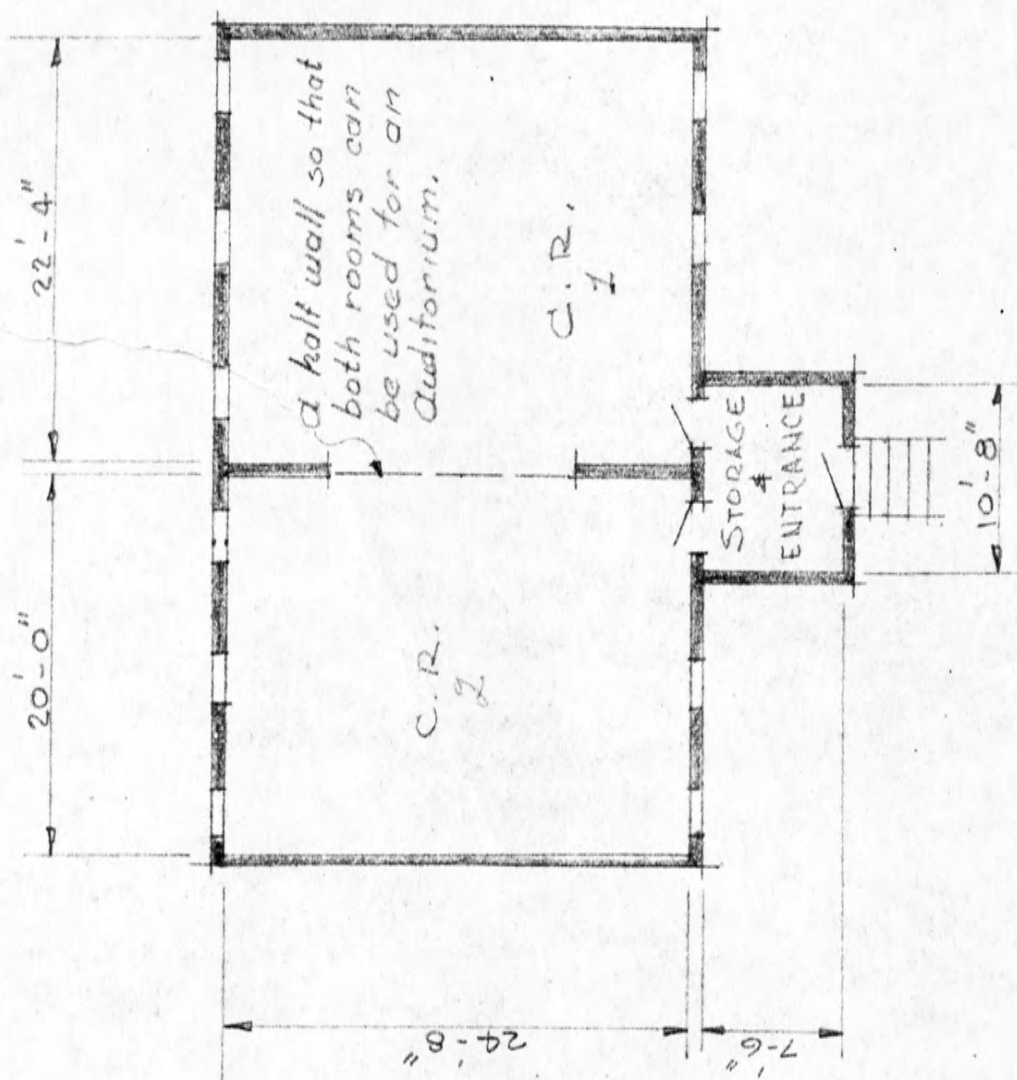
SCALE 1" = 10'-0"

WINDOWS - 5'-9" H. x 2'-4" W.
 DOORS - 6'-8" H. x 2'-9" W.
 CEILING HEIGHT - 11'-4 1/2"



FAIRVIEW SCHOOL
 SCALE 1" = 10'-0"

J. N.



GRAVEL HILL SCHOOL

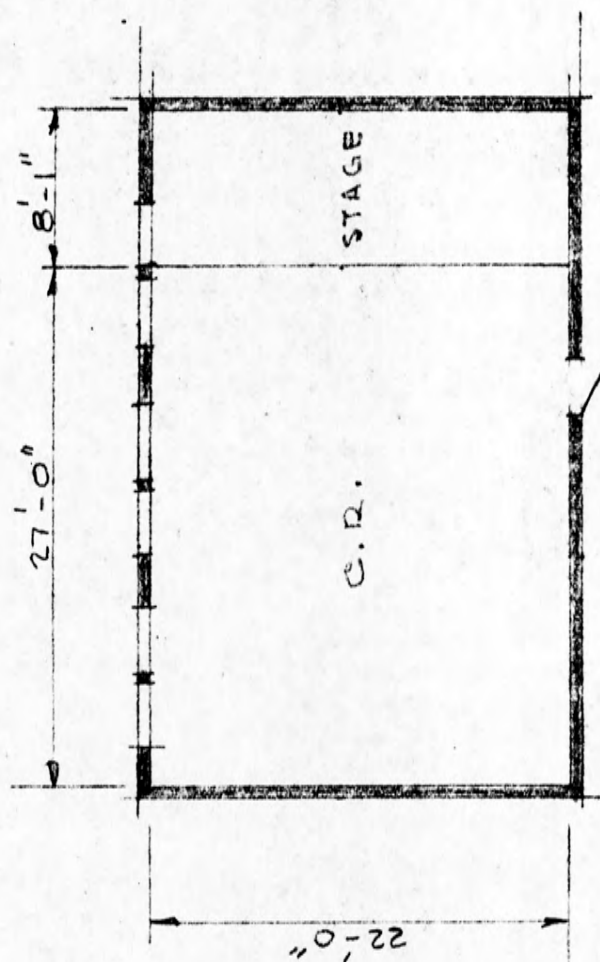
1" = 10'-0"

WINDOWS
5'-2" H. x 2'-9" W.

DOORS

6'-6" H. x 2'-7" W.

CEILING
9'-10"



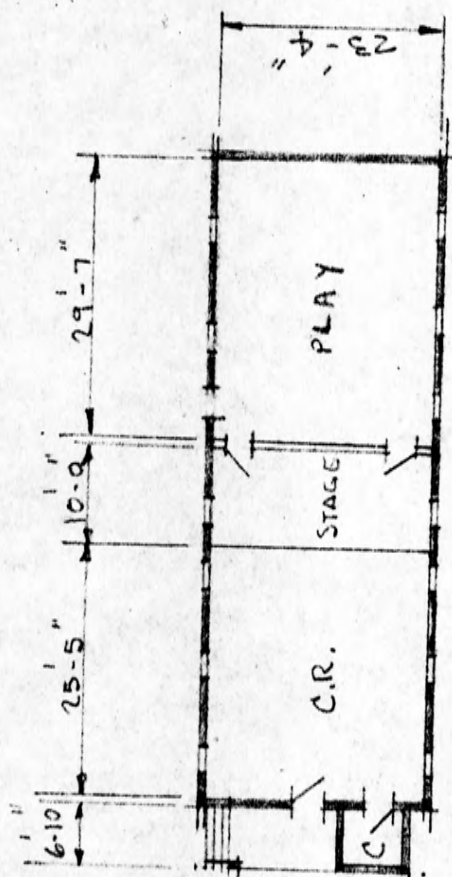
WINDOWS
7'-6" H. x 3'-4" W

DOORS
6'-9" H. x 3'-0" W

CEILING
10'-2"

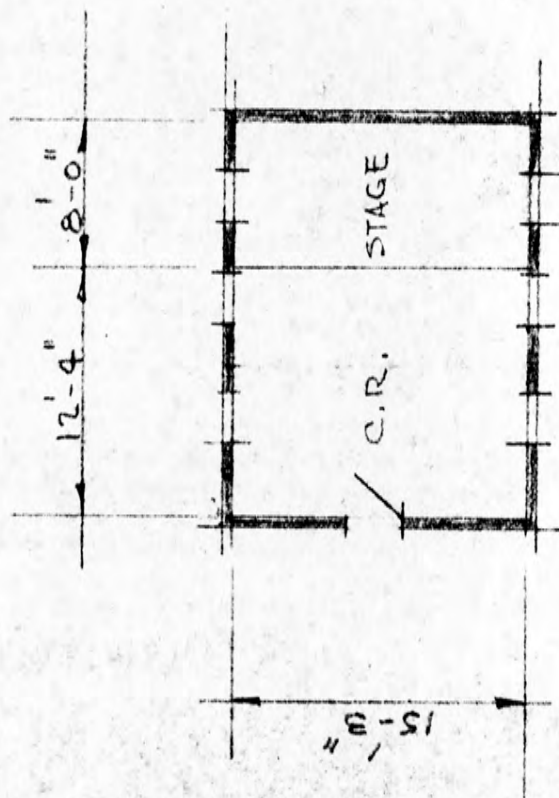
LANE TOWN SCHOOL
SCALE 1" = 10'-0"

WINDOWS - 5'-5" H. x 2'-8" W.
 DOORS - 6'-10" H. x 3'-0" W.
 CEILING HEIGHT 11'-0"



MT. LEBANON SCHOOL
 SCALE 1" = 20'-0"

12



WINDOWS

5'-3" H.

2'-9" W.

DOORS

6'-9" H.

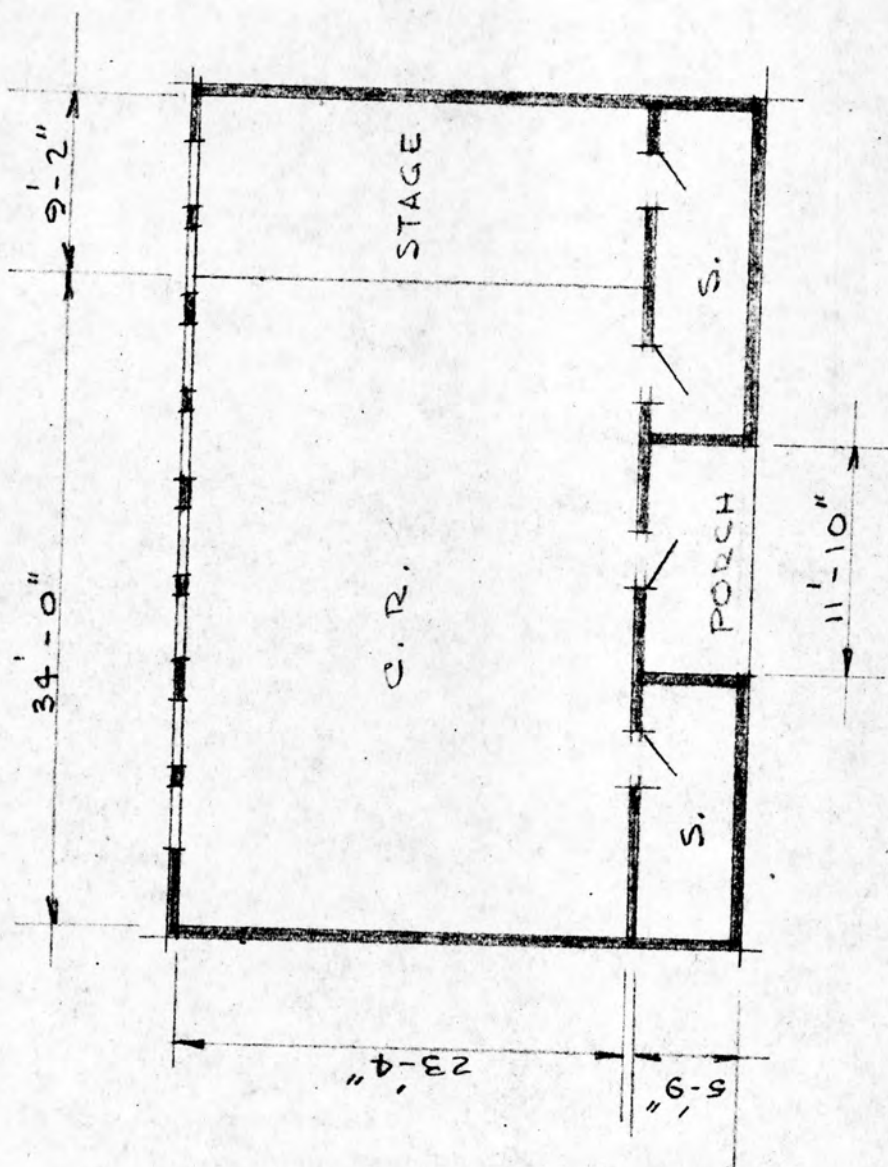
2'-8" W.

CEILING

10'-0"

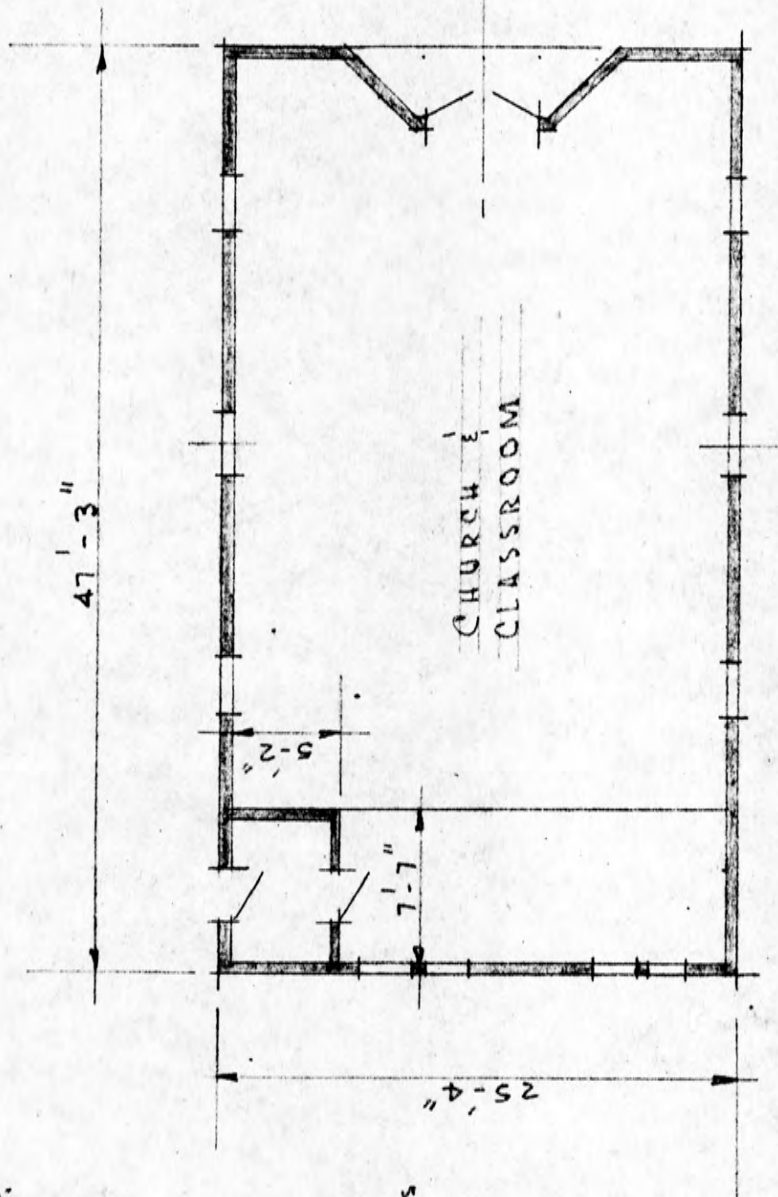
NEW SALEM SCHOOL

SCALE 1" = 10'-0"



WINDOWS
7'-6" H. x 3'-5" W.
DOORS
7'-0" H. x 3'-0" W.
CEILING
12'-0"

OAK GROVE SCHOOL
SCALE 1" = 10'-0"

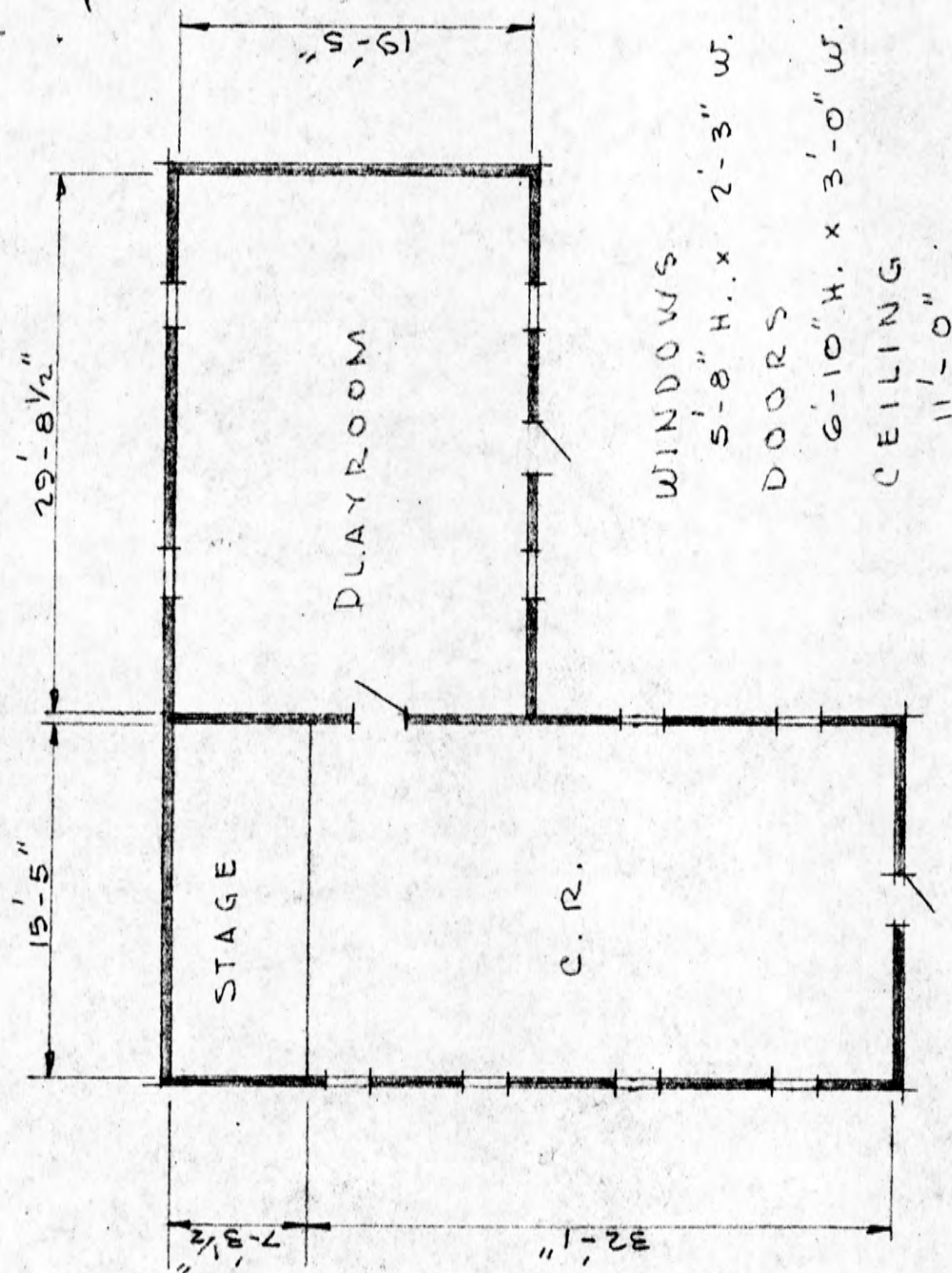


4
WINDOWS
4'-6" H.
2'-0" W.

6 WINDOWS
2'-8" W x 5'-0" H.
DOOR 9'-9" H. x
2'-8"
CEILING HEIGHT
11'-6"

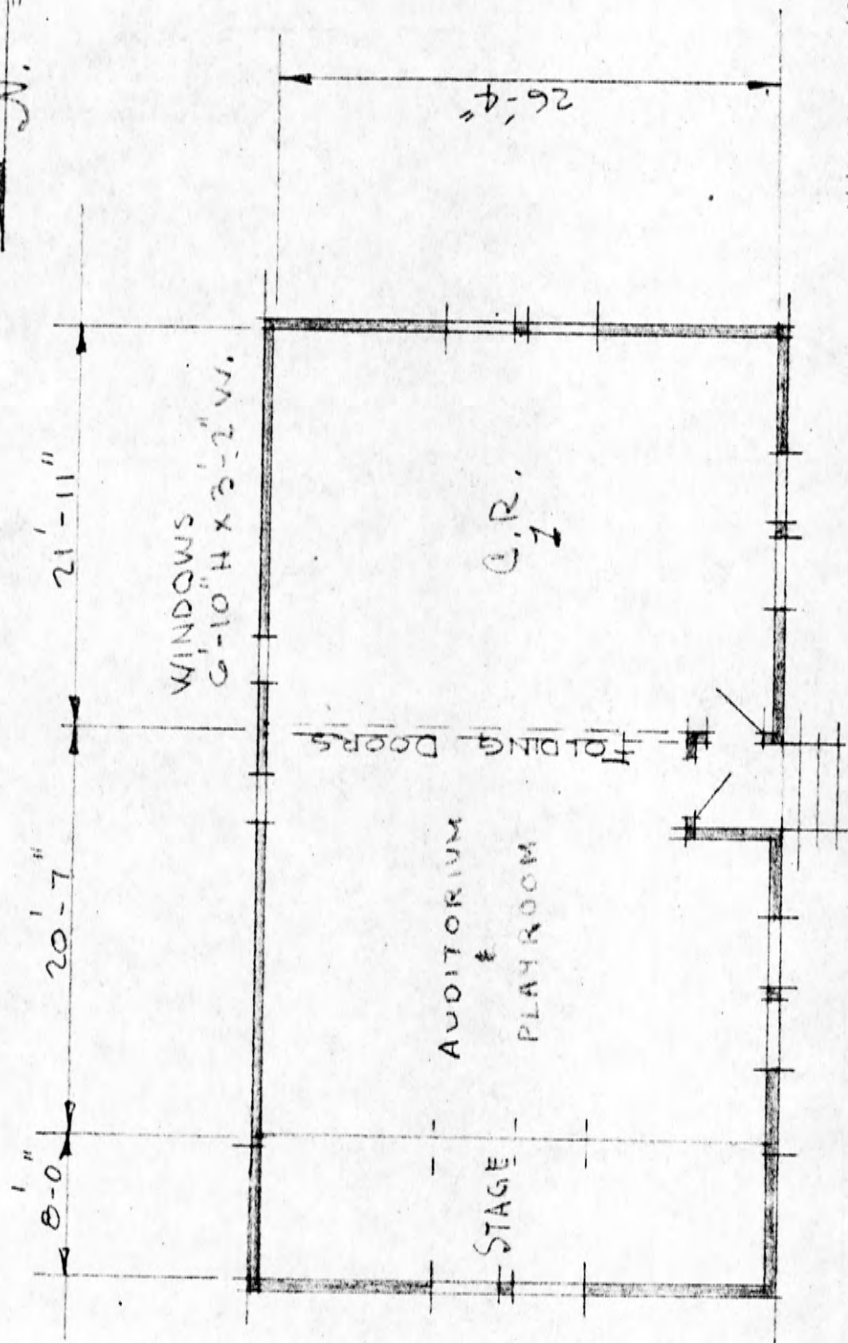
CHURCH &
CLASSROOM

PINEY SCHOOL
SCALE 1" = 10'-0"



PINEY GROVE SCHOOL
SCALE 1" = 10'-0"

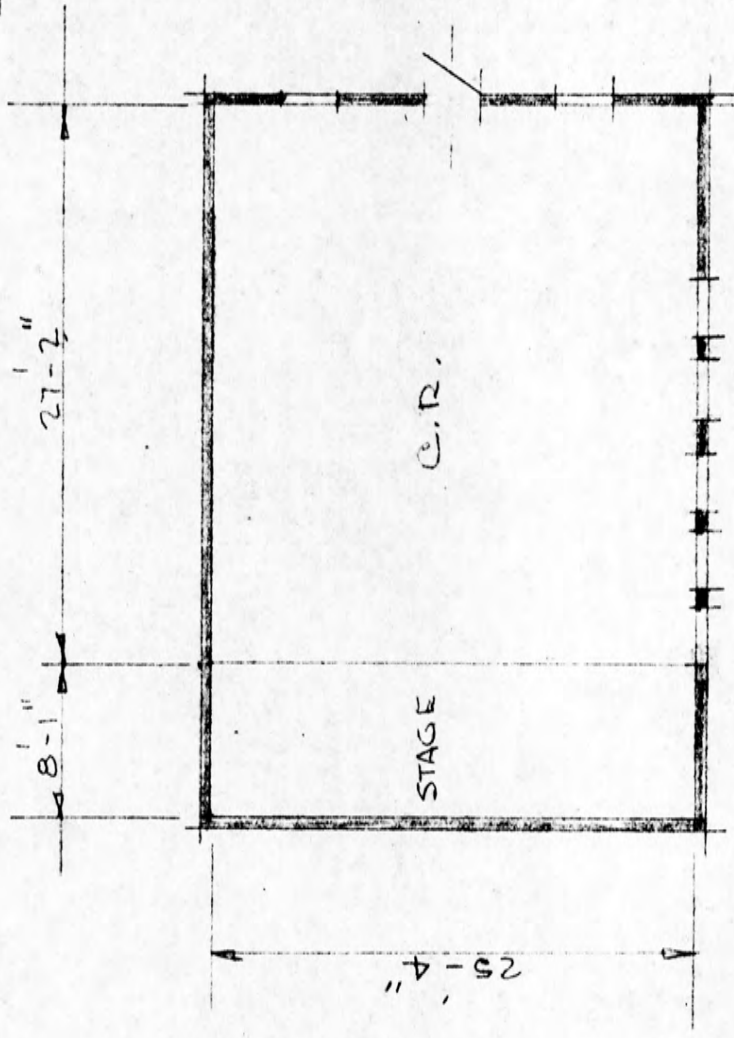
N. 1



WINDOWS 6'-10" H x 3'-2" W.
 DOORS 7'-0" H x 3'-0" W.
 CEILING HEIGHT 11'-0"

POPLAR HILL
 SCALE 1" = 10'-0"

Handwritten signature or initials



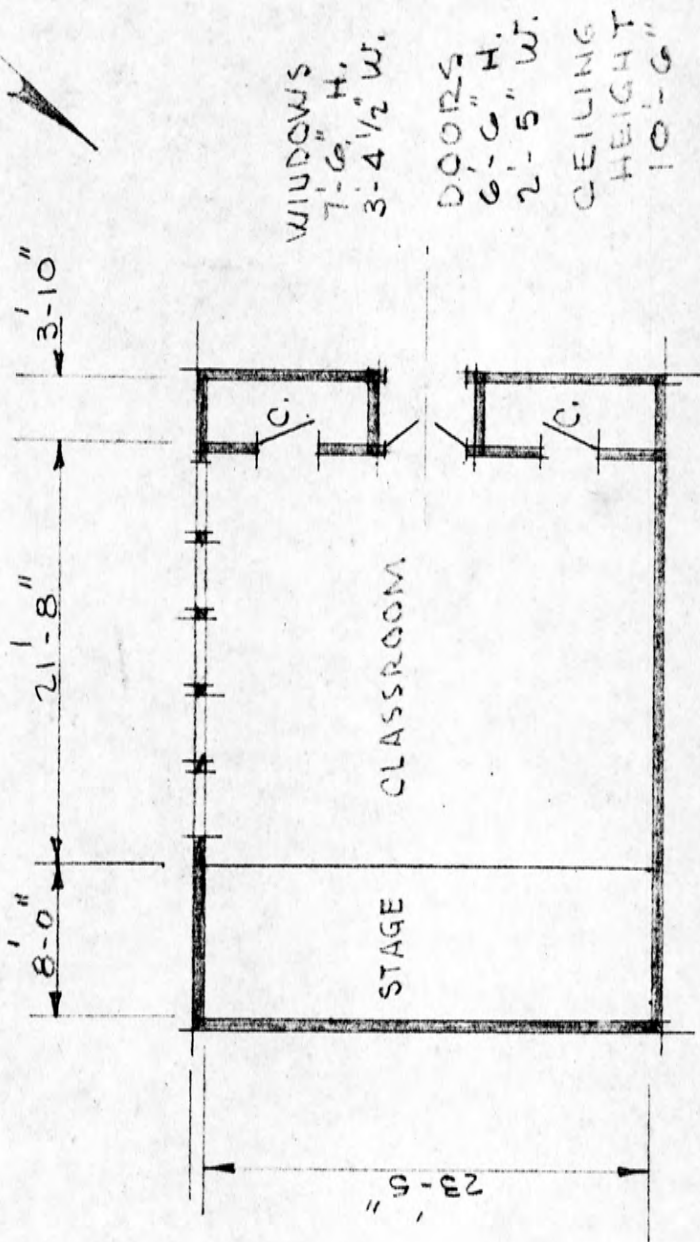
WINDOWS
7'-6" H. x
3'-0" W

DOORS
9'-10" H. x
3'-0" W

CEILING
10'-0" x 27'-2"

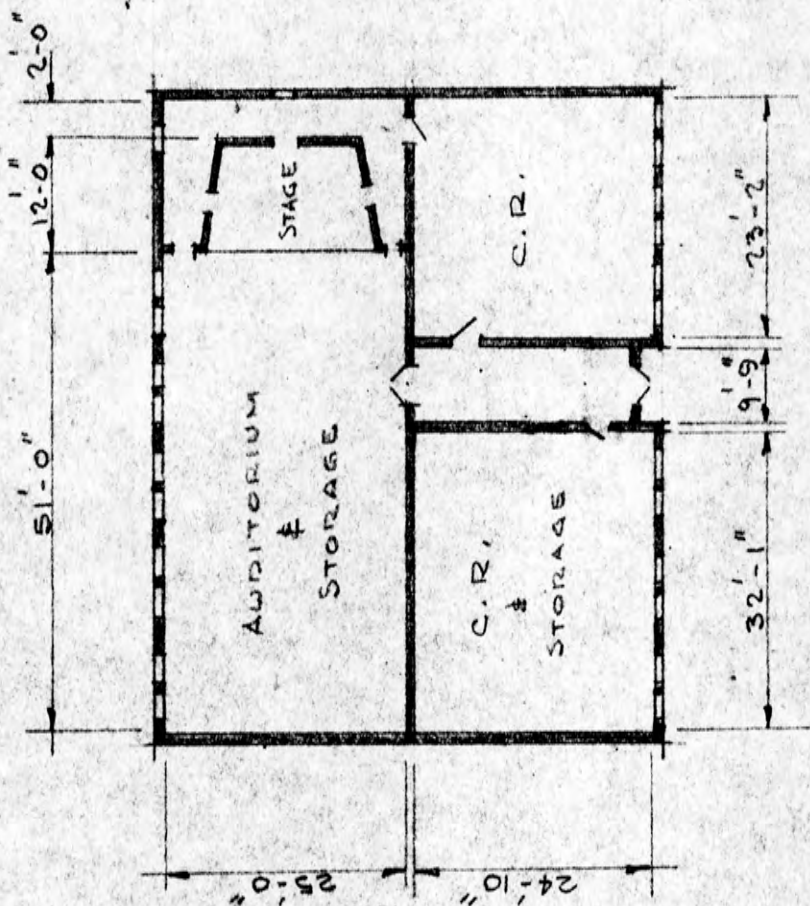
ROCKY MOUNT SCHOOL

SCALE 1" = 10'-0"



RUSSELL SCHOOL

SCALE 1" = 10'-0"

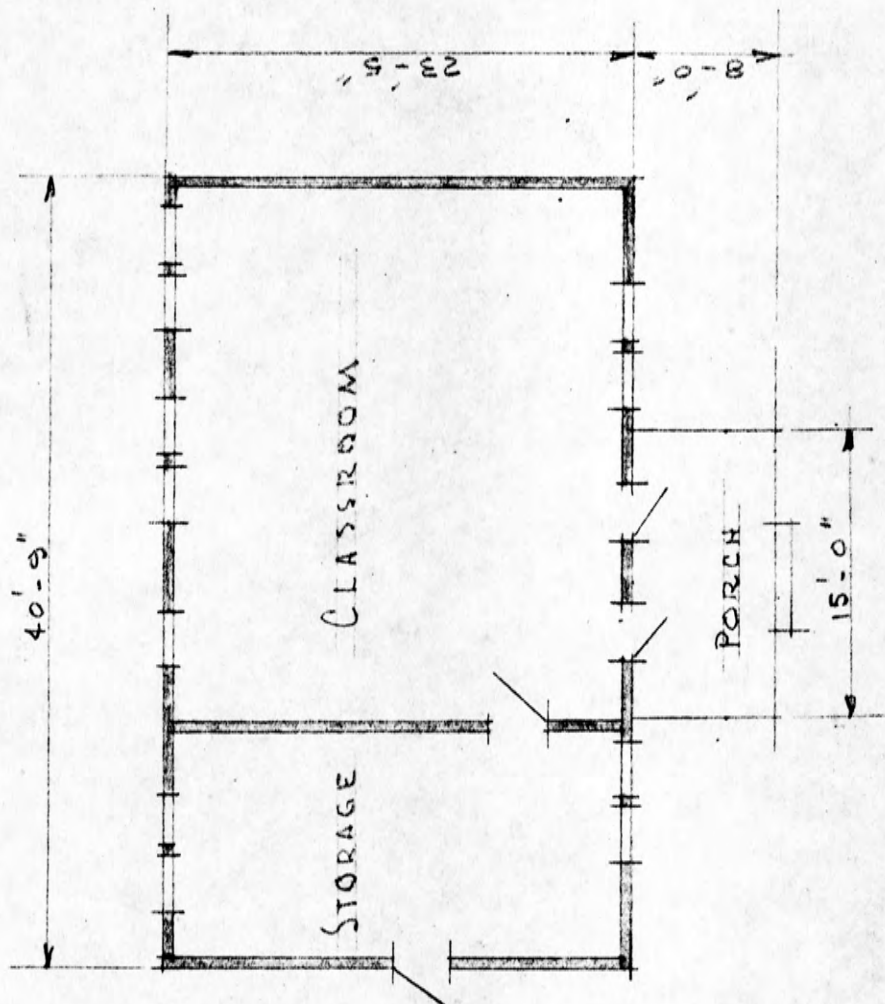


Windows
7'-10" H. x 2'-7" W.

DOORS
6'-9" H. x 2'-9" W.

CEILING
12'-0"

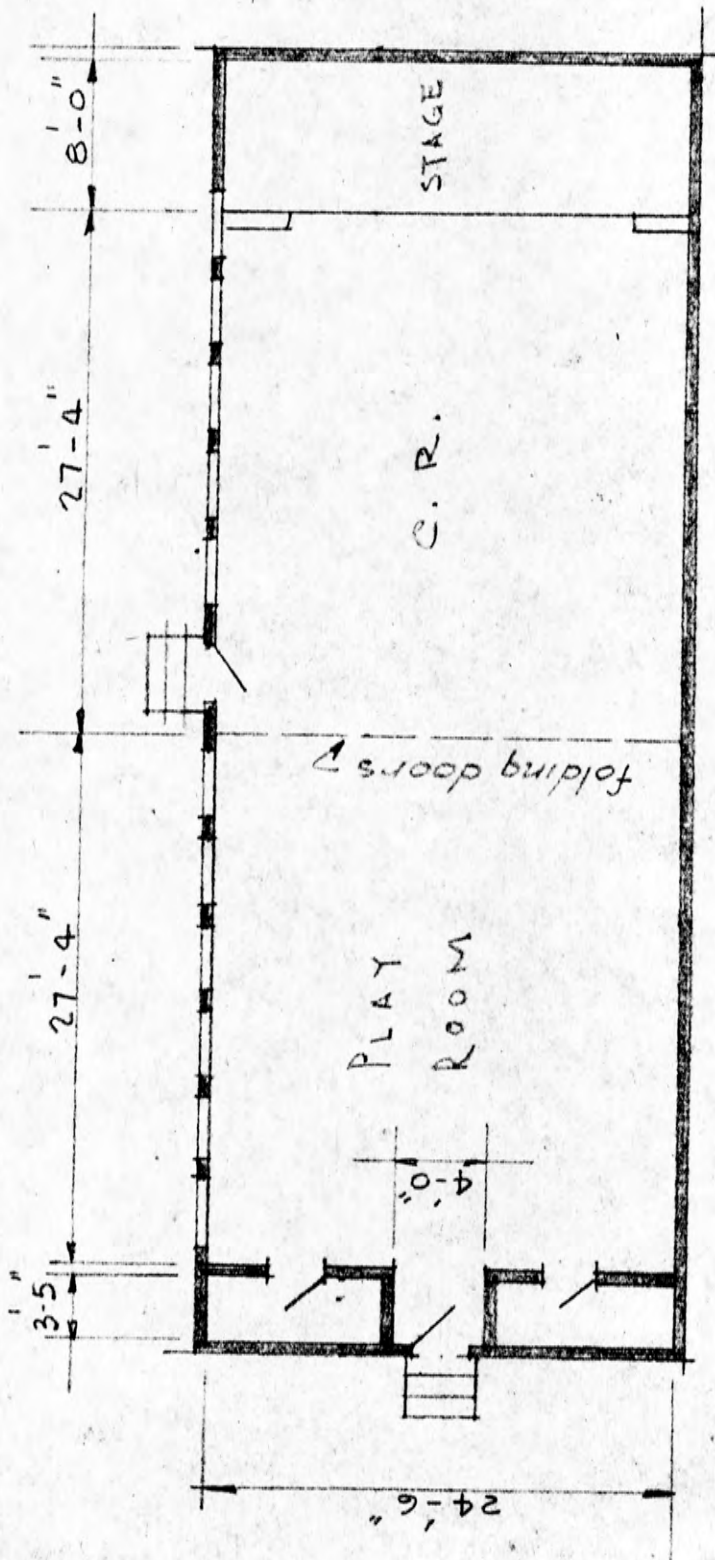
SHADY GROVE SCHOOL
SCALE 1" = 20'-0"



SHARPS CHAPEL

SCALE 1" = 10'-0"

CEILING HEIGHT
10'-8"WINDOWS
6'-6" H. X 2'-11" W.DOORS
7'-0" X 3'-0"



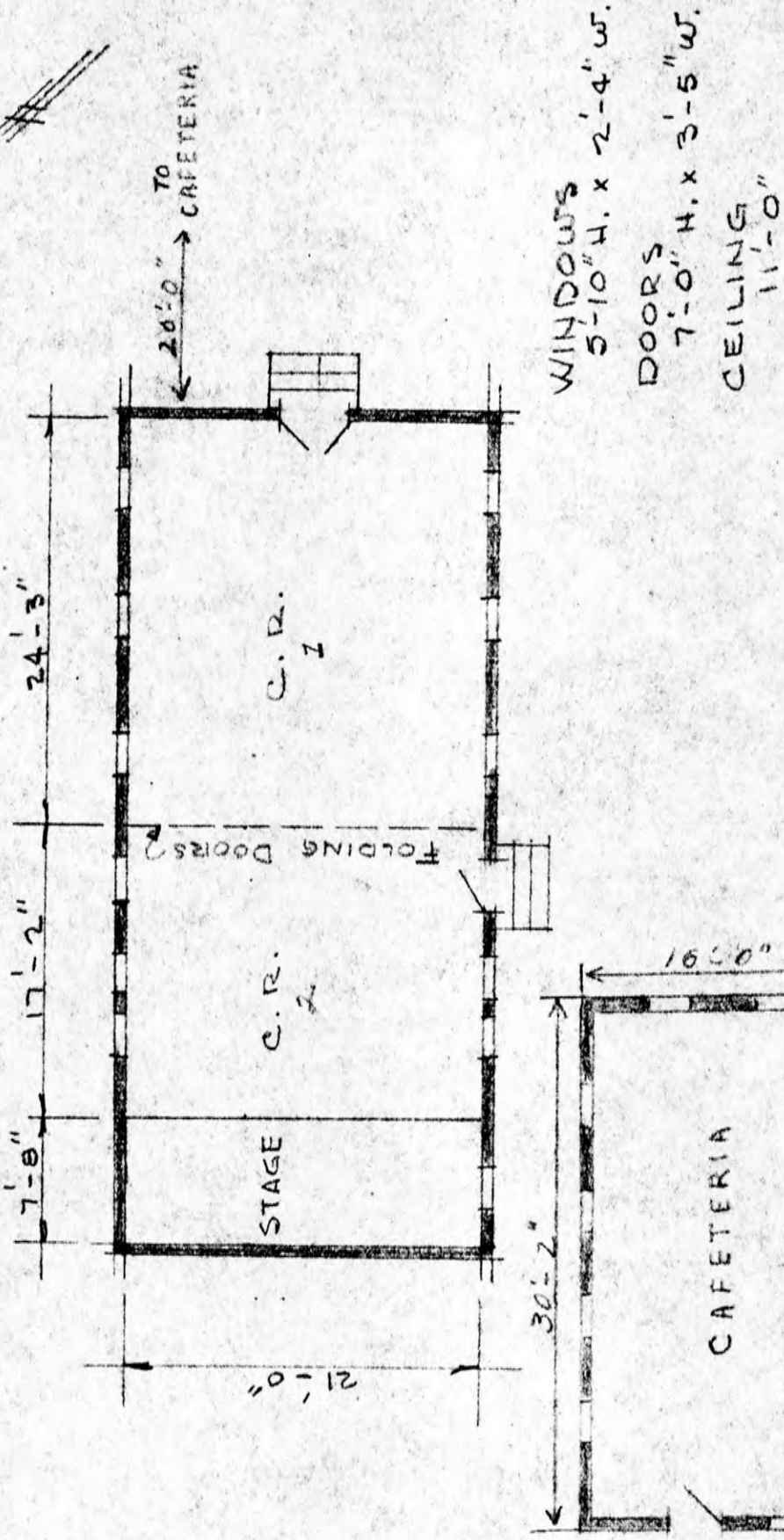
WINDOWS
7'-6" H. x 3'-4" W.

DOORS
7'-0" H. x 3'-0" W.

CEILING HEIGHT
10'-0"

ZION HILL SCHOOL

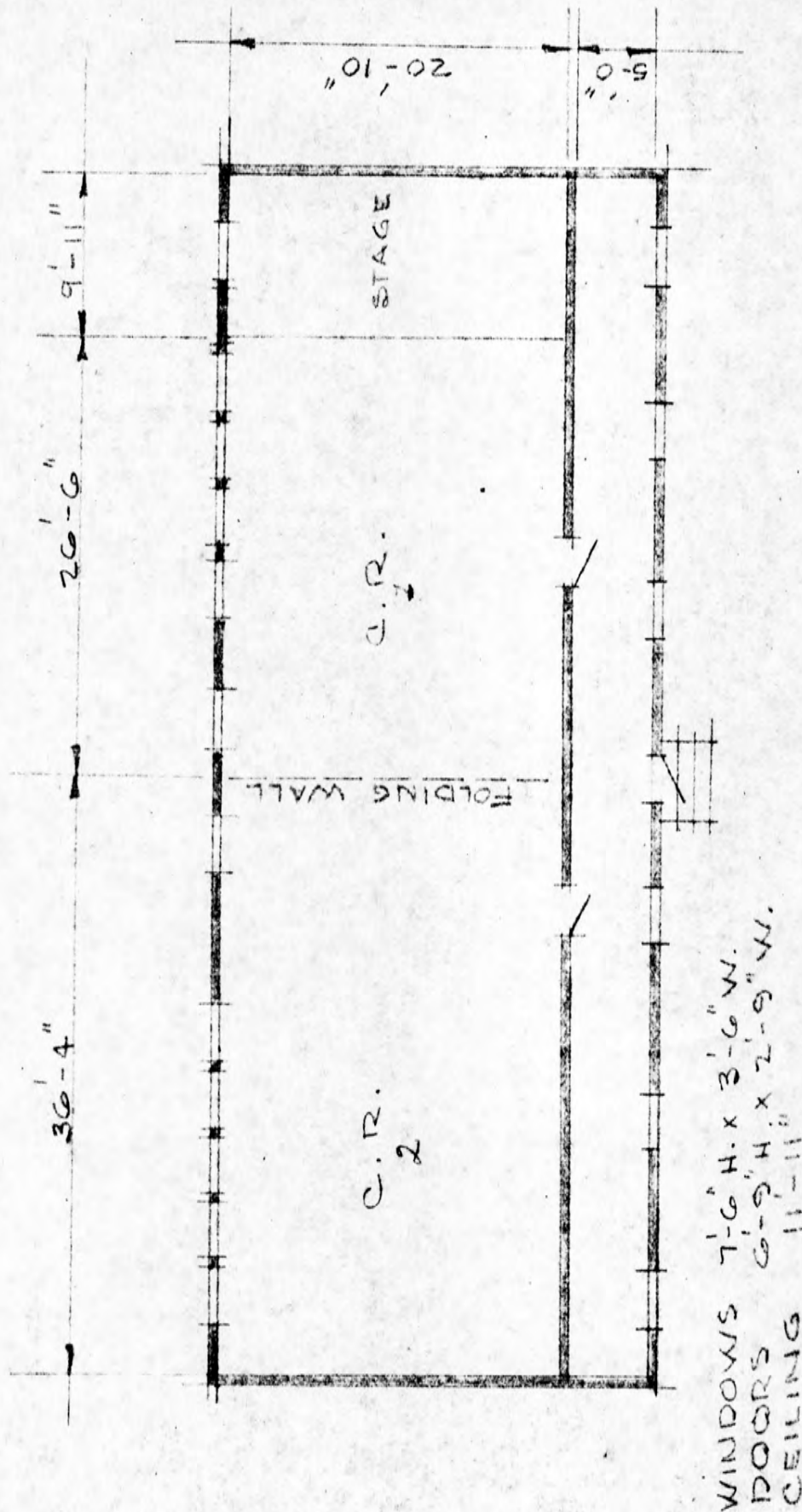
SCALE 1" = 10'-0"



WINDOWS
5'-10" H. x 2'-4" W.
DOORS
7'-0" H. x 3'-5" W.
CEILING
11'-0"

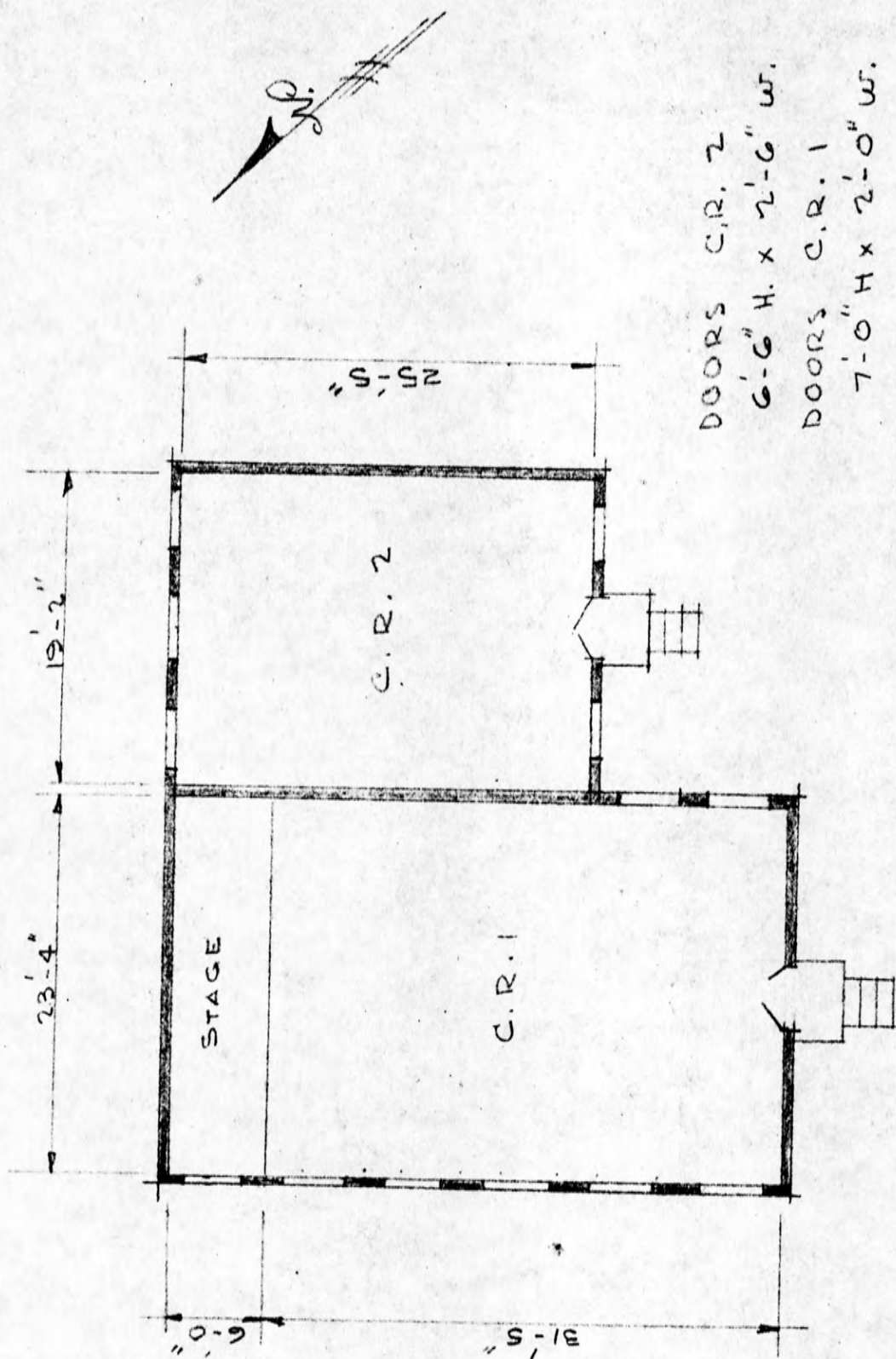
CLEARWATER SCHOOL

SCALE 1" = 10'-0"



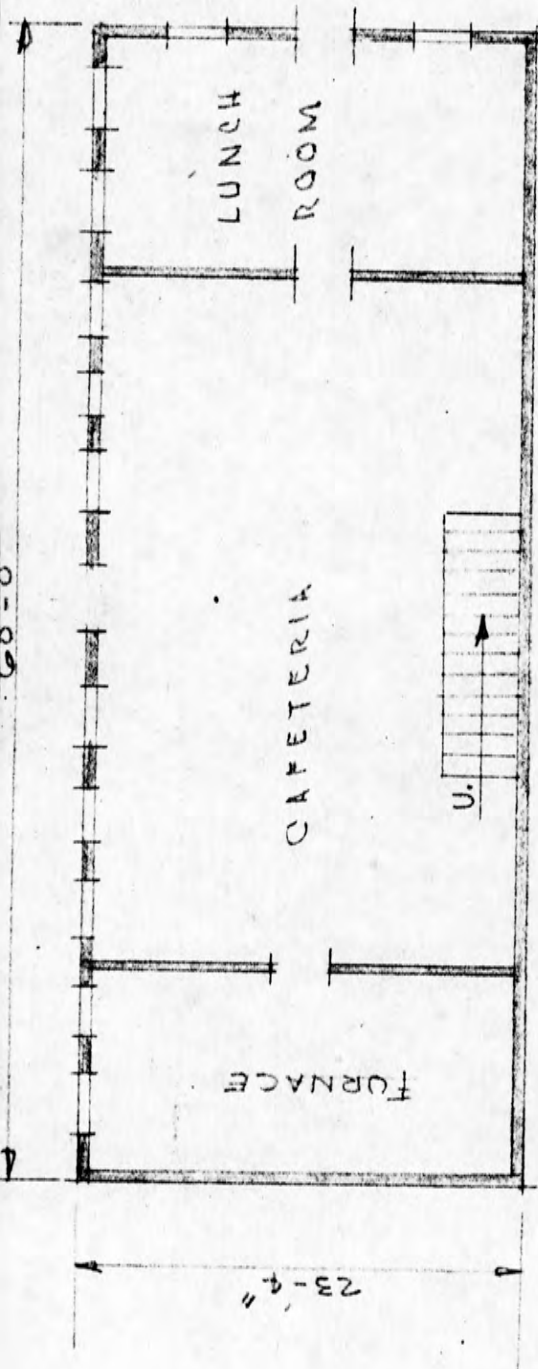
EAST ETOWAH SCHOOL

SCALE 1" = 10'-0"



DOORS C.R. 2
6'-6" H. x 2'-6" W.
DOORS C.R. 1
7'-0" H. x 2'-0" W.
WINDOWS
4'-4" H. x 3'-8" W.
CEILING
11'-5"

LONGS SCHOOL
SCALE 1" = 10'-0"

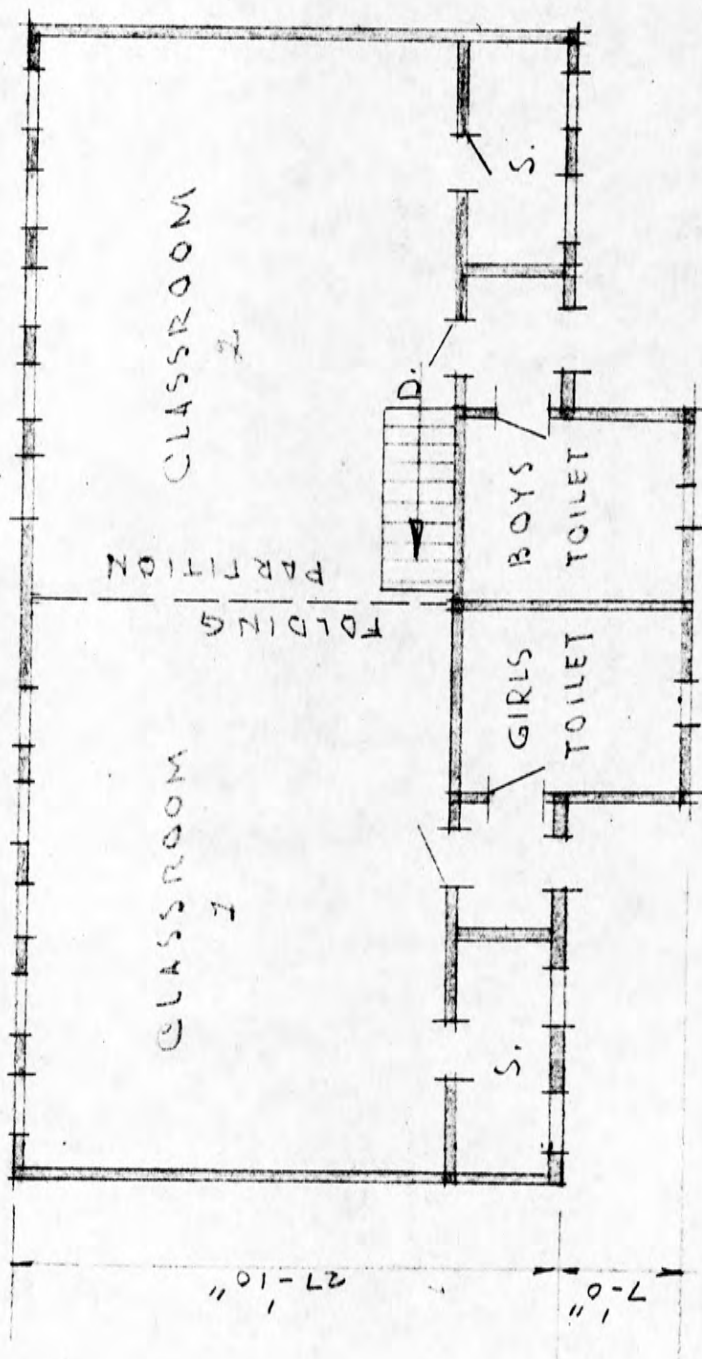


WINDOWS
5'-4" H.
3'-9" W.

DOORS
6'-8" H.
2'-10" W.

CEILING
HEIGHT
12'-0"

BASEMENT



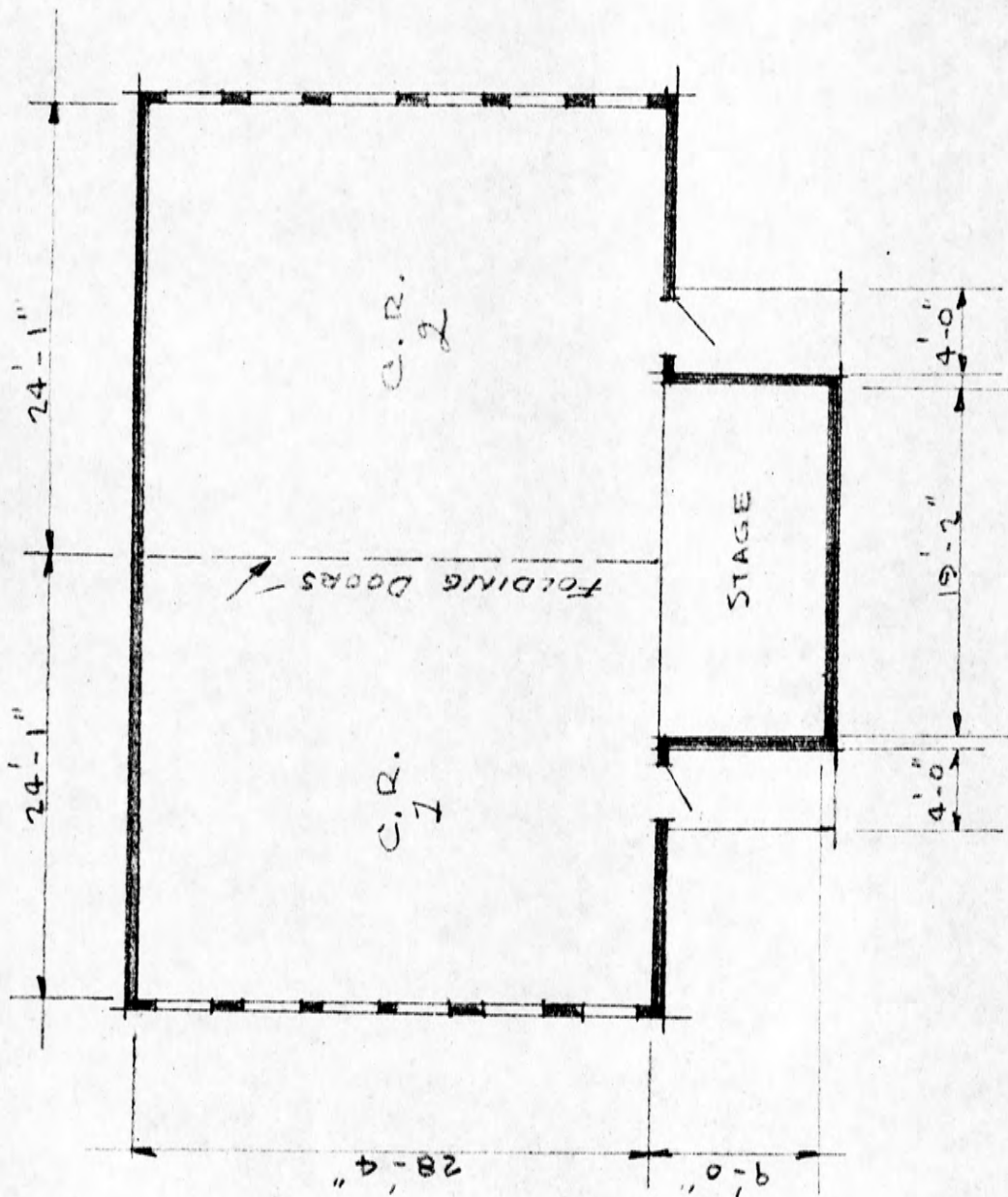
SCALE 1" = 10'-0"

FIRST FLOOR

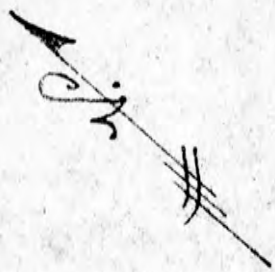
MT. HARMONY SCHOOL

~~No. 1~~

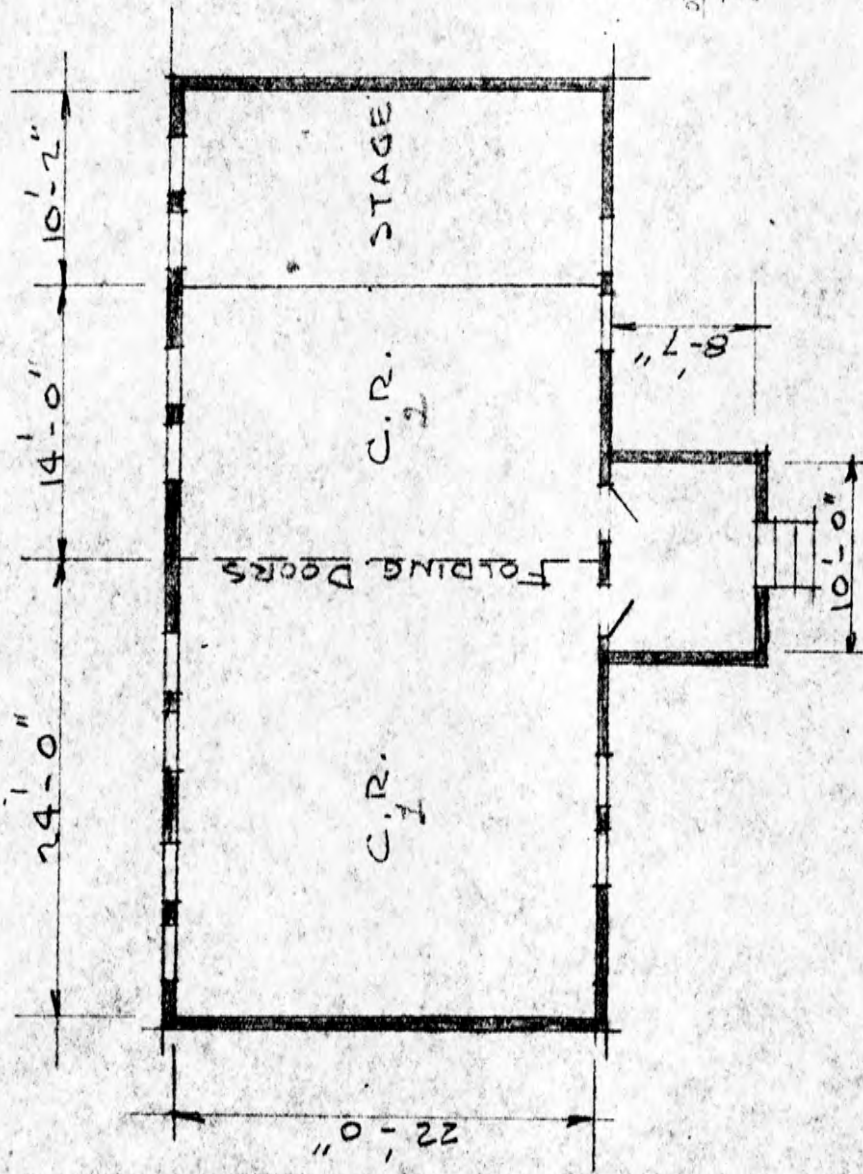
WINDOWS
7'-7" H. x 3'-0" W.
DOORS
6'-9" H. x 2'-10" W.
CEILING
11'-4"



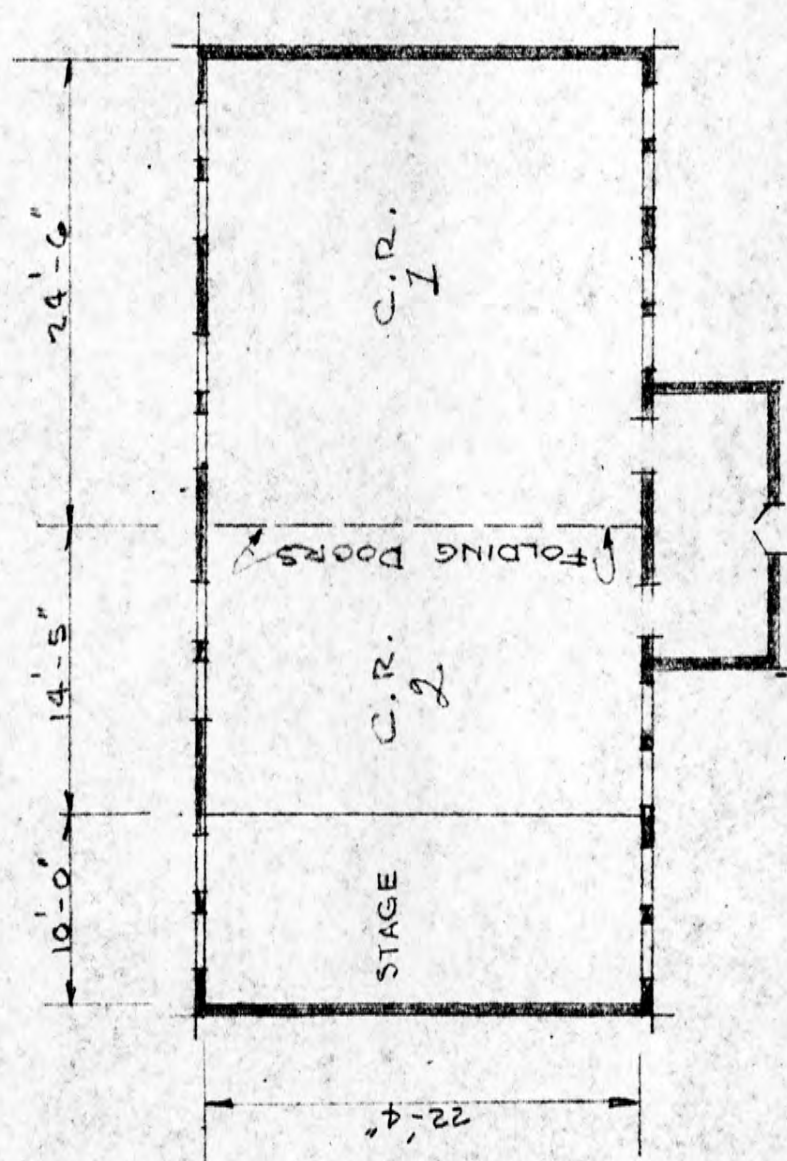
MOUSE CREEK SCHOOL
SCALE 1" = 10'-0"



WINDOWS
 6'-1" H. x 3'-0" W.
 DOORS
 7'-0" H. x 3'-0" W.
 CEILING
 10'-8"



NORTH LIBERTY SCHOOL
 SCALE 1" = 10'-0"

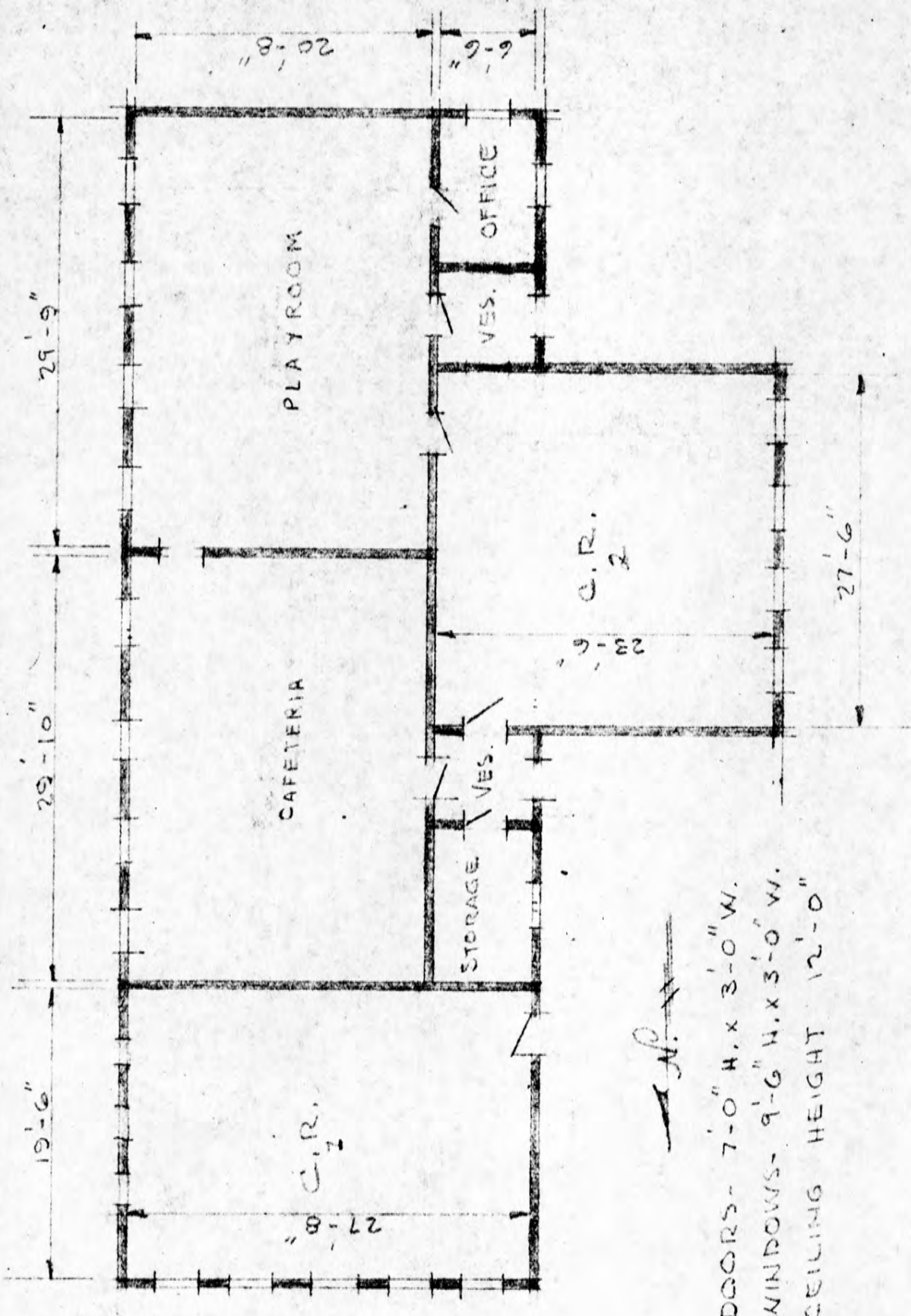


WINDOWS
7'-7" H. x 3'-0" W.

DOORS
6'-8" H. x 2'-7" W.

CEILING
11'-10"

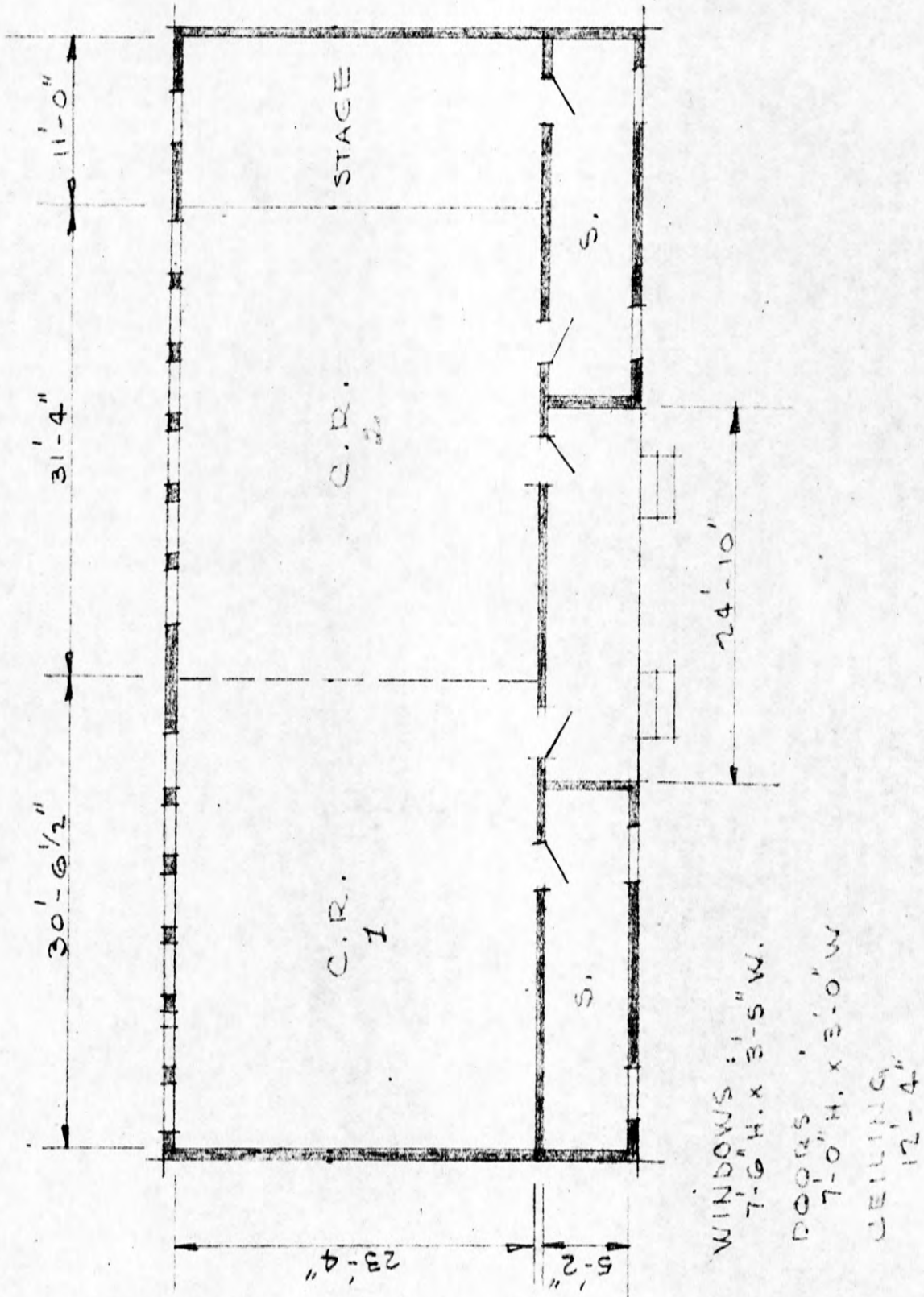
PINE GROVE SCHOOL
SCALE 1" = 10'-0"



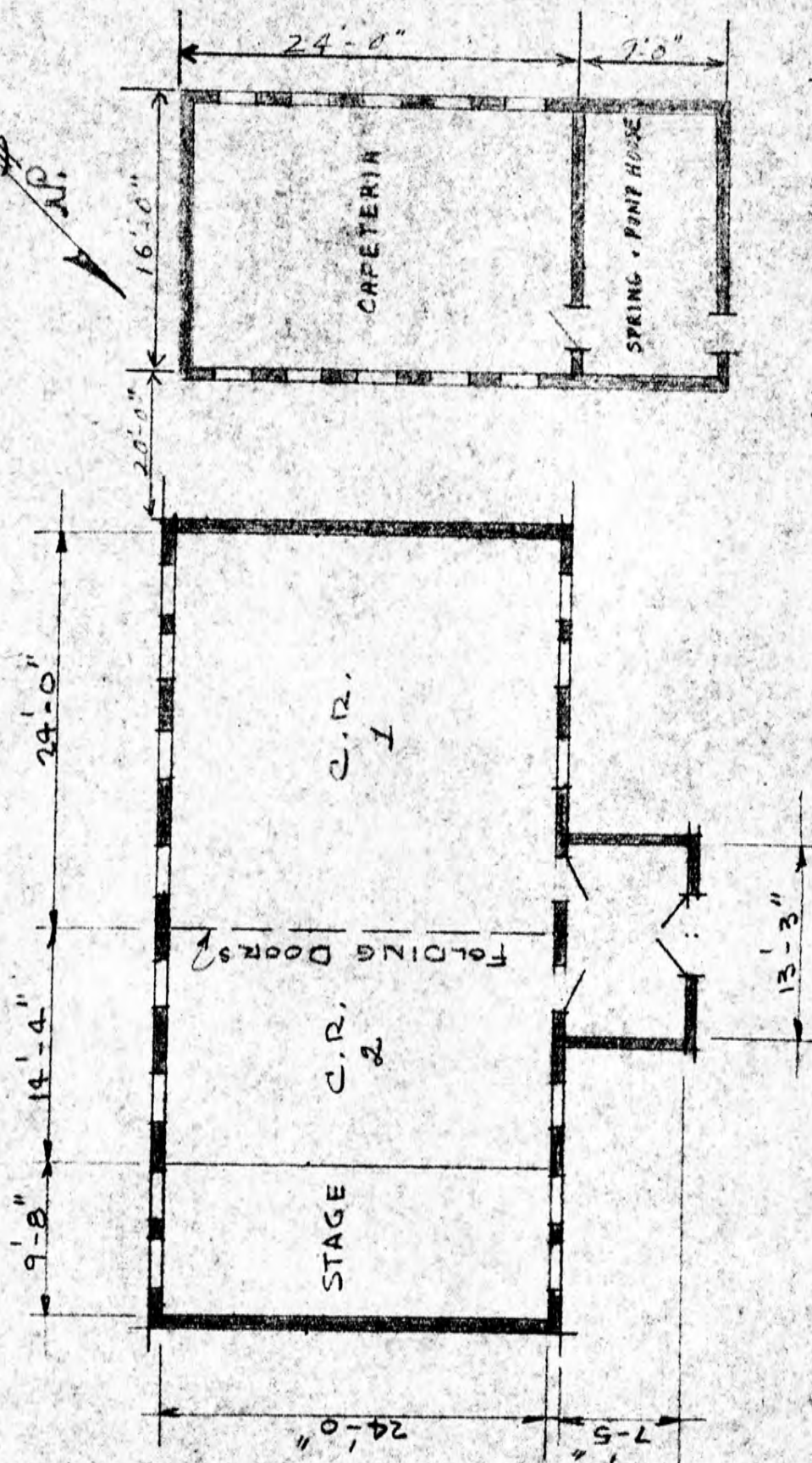
Handwritten signature/initials

DOORS- 7'-0" H. x 3'-0" W.
 WINDOWS- 9'-6" H. x 3'-0" W.
 CEILING HEIGHT 12'-0"

PLEASANT GROVE SCHOOL
 SCALE 1" = 10'-0"



POND HILL SCHOOL
SCALE 1" = 10'-0"

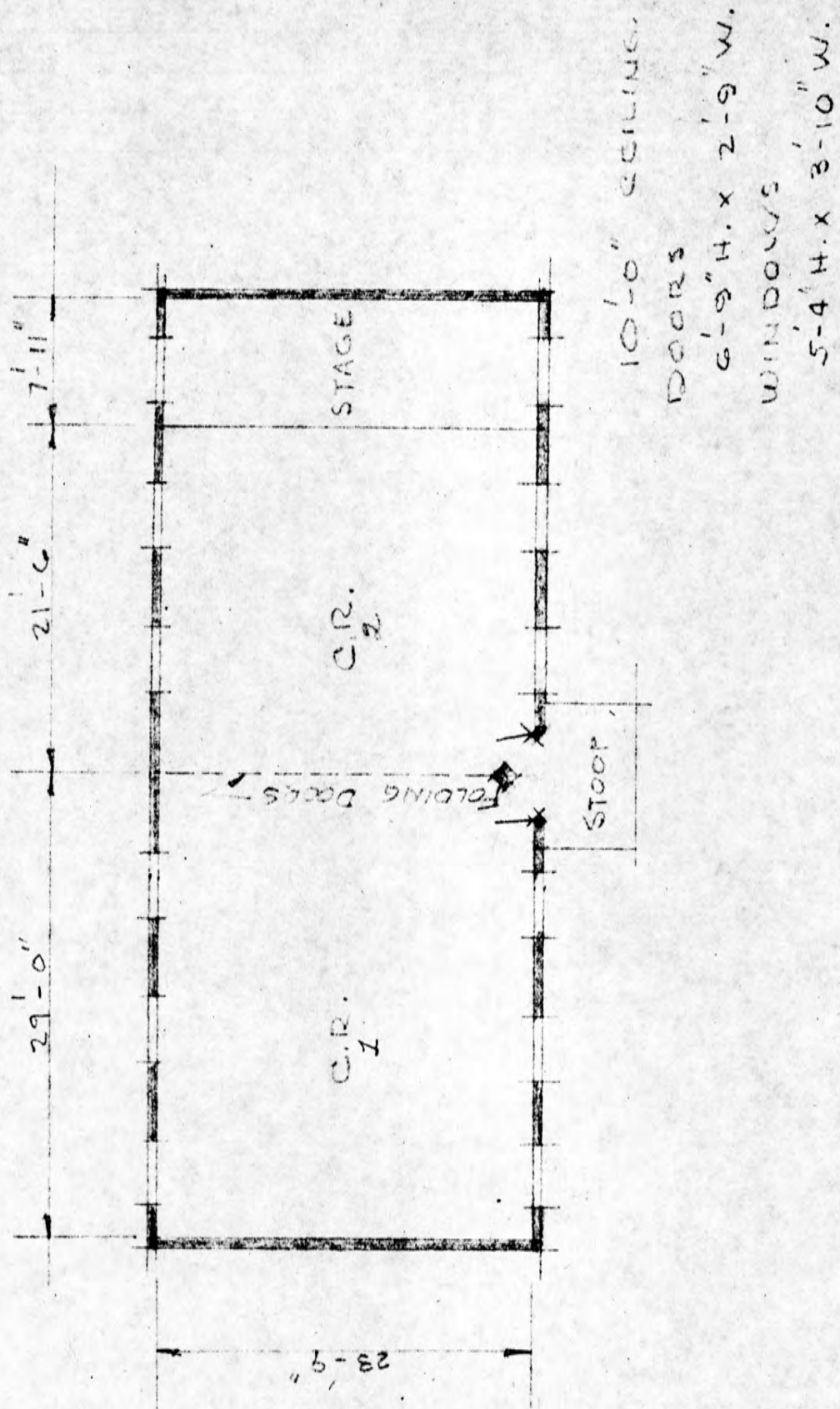


WINDOWS - 6'-7" H. x 3'-0" W.
DOORS - 6'-7" H. x 2'-7" W.
CEILING - 10'-1" HIGH

TRANQUILLITY SCHOOL

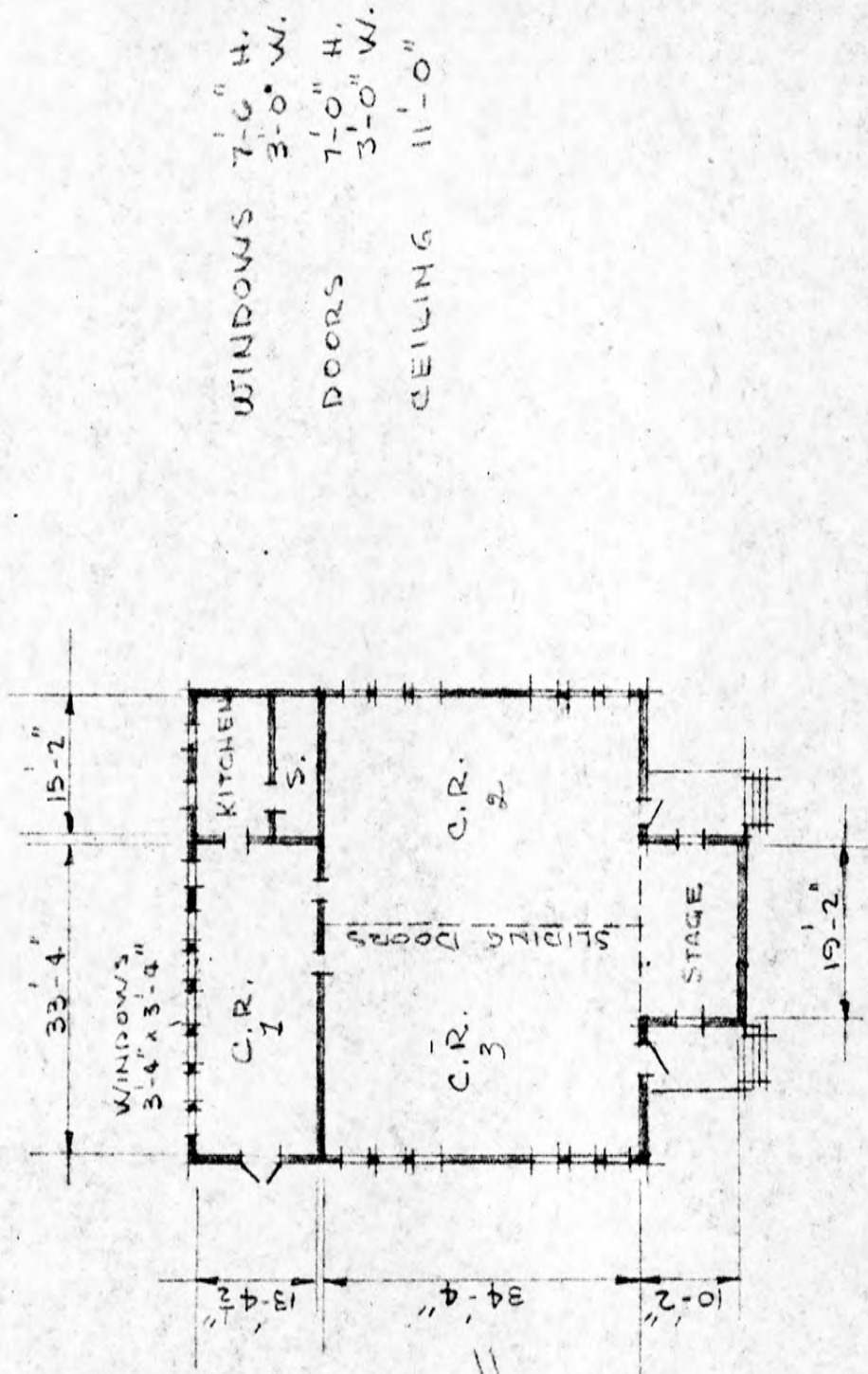
SCALE 1" = 10'-0"

N.C.



WEST ETOWAH - (COLORED)

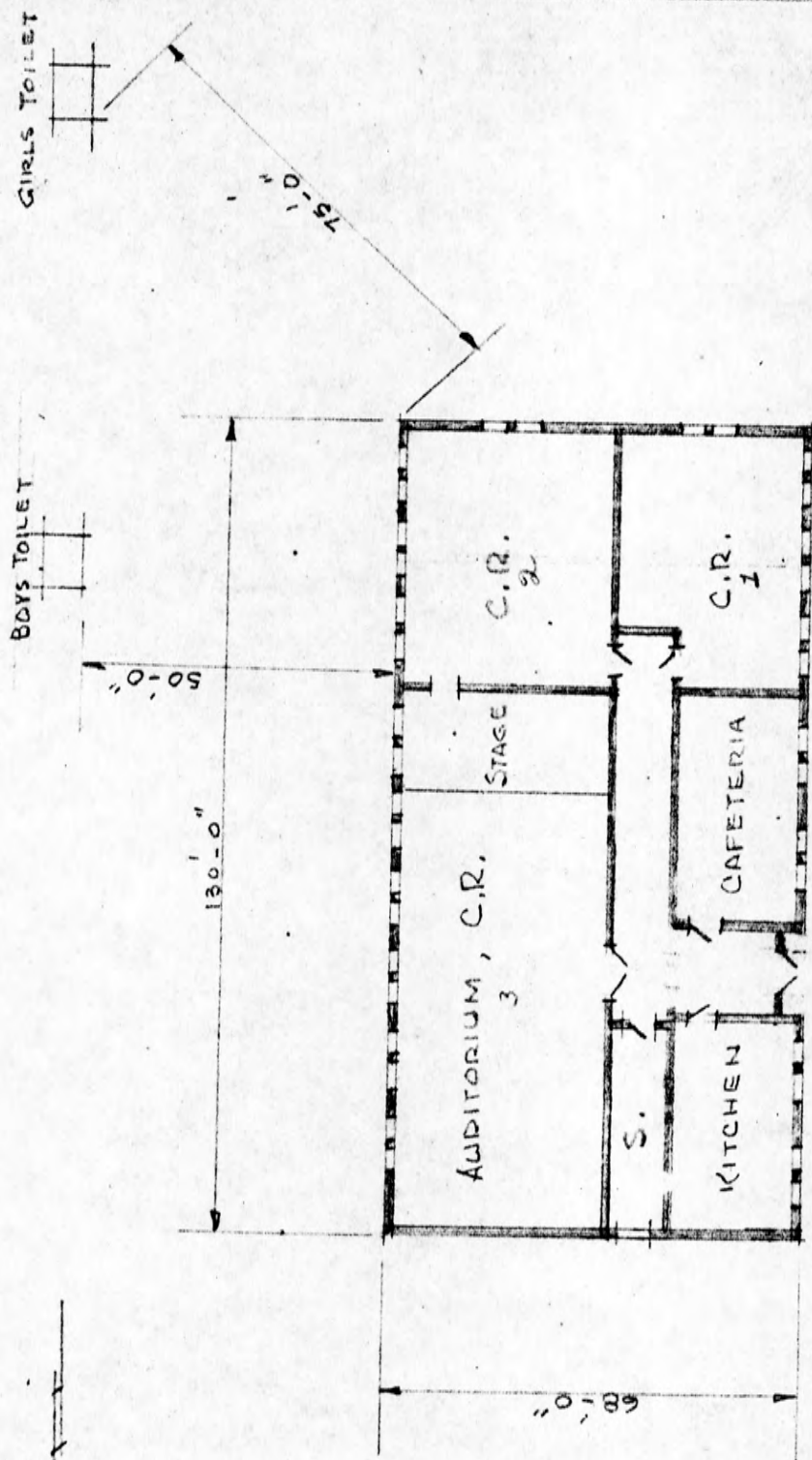
SCALE 1" = 10'-0"



WINDOWS 7'-6" H. 3'-0" W.
DOORS 7'-0" H. 3'-0" W.
CEILING 11'-0"

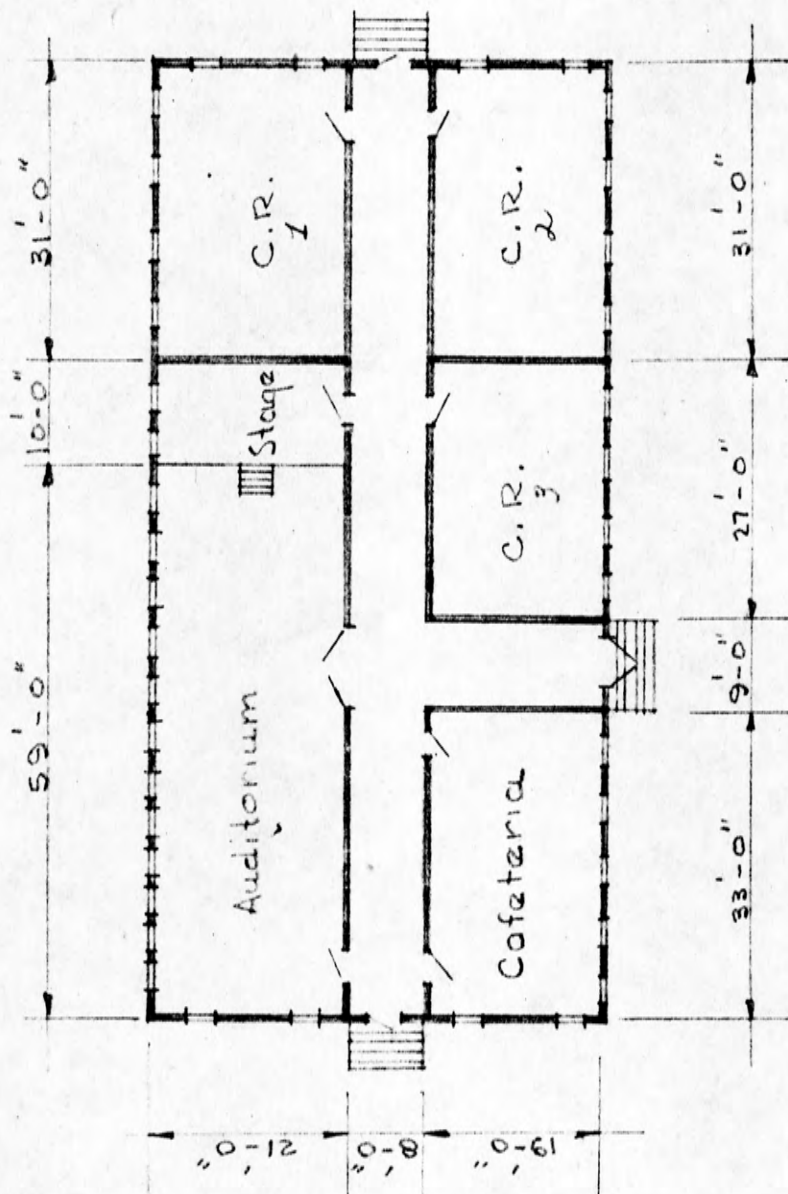
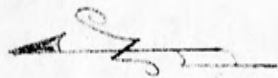
CONASAUGUA SCHOOL

SCALE 1" = 20'-0"



Windows 6'-7" x 2'-7"
Ceiling height 12'-0"

EAST ETOWAH SCHOOL
ETOWAH, TENN.
SCALE 1" = 20'-0"

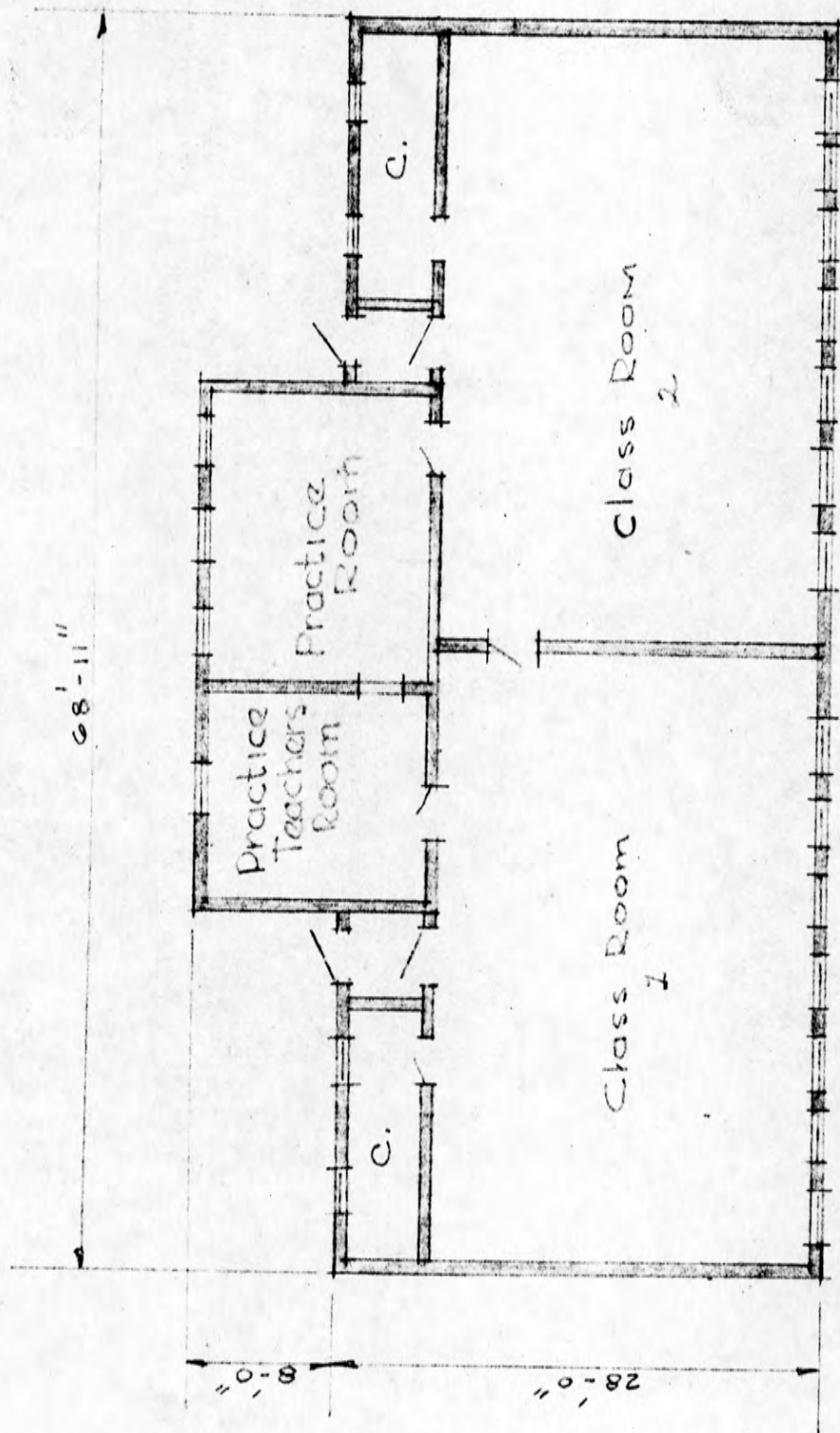


WINDOWS
2'-8" x 7'-7"
DOORS
3'-1" x 7'-1"
CEILING
11'-7"

177

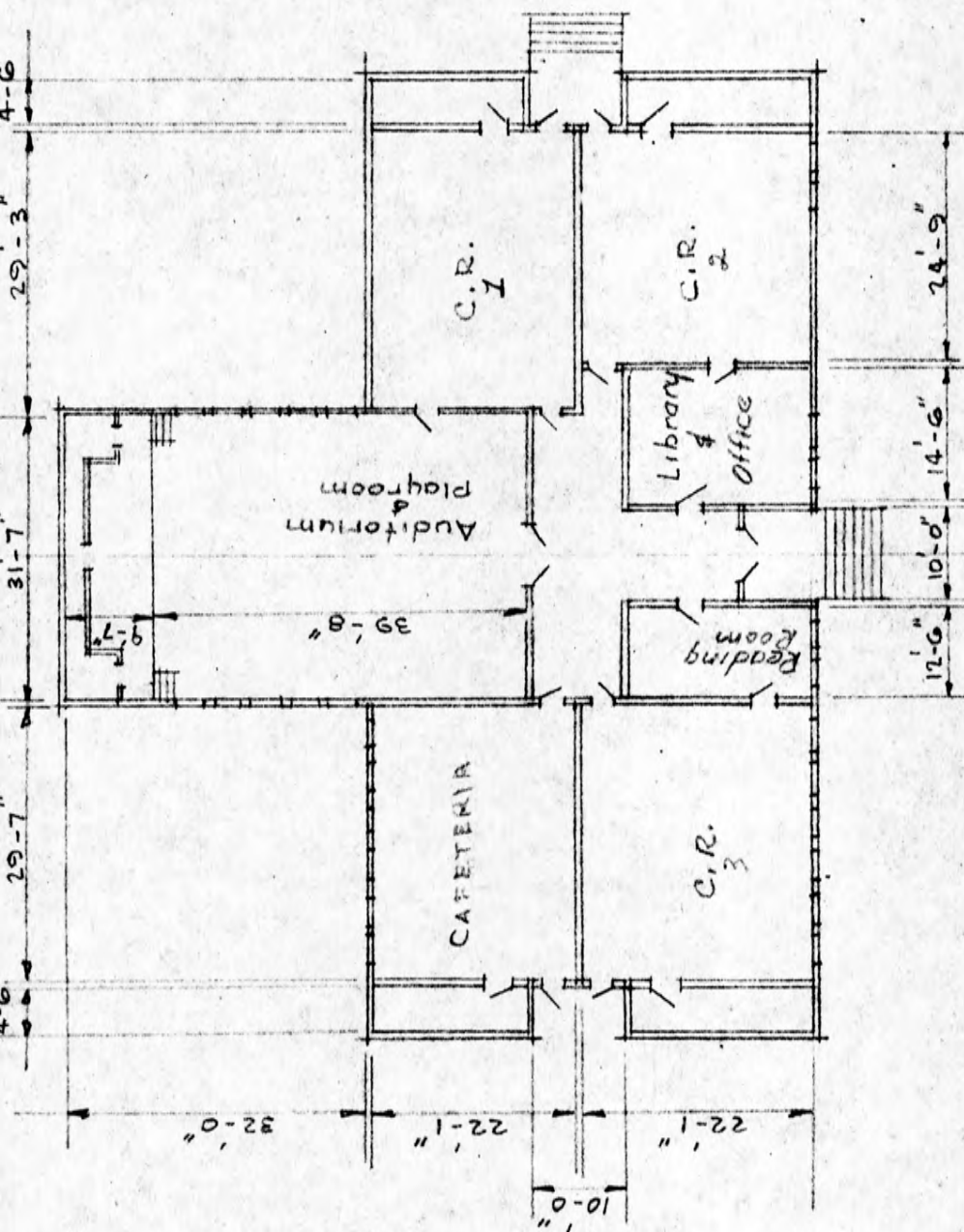
NORTH ETOWAH SCHOOL
Scale 1" = 20'-0"

DOORS - 7' x 3'
 WINDOWS - 2'-11" x 7'-5"
 CEILING HEIGHT - 12'



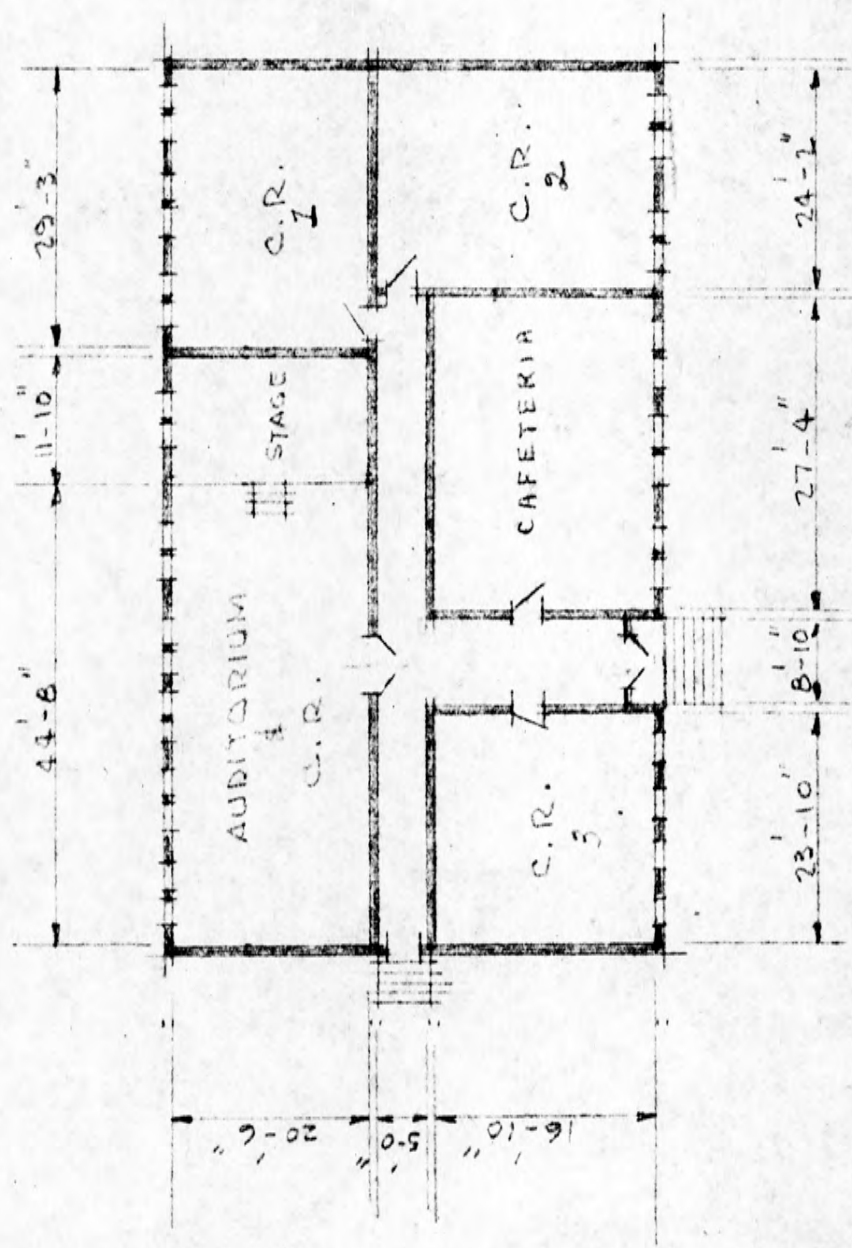
TENN. WESLEYAN PRACTICE SCHOOL

Scale 1" = 10'-0"



Windows.
7'-7" h. x 2'-11" w.
Doors.
7'-0" h. x 3'-0" w.
Ceiling.
12'-0"

GOOSPRING SCHOOL
SCALE 1" = 20'-0"



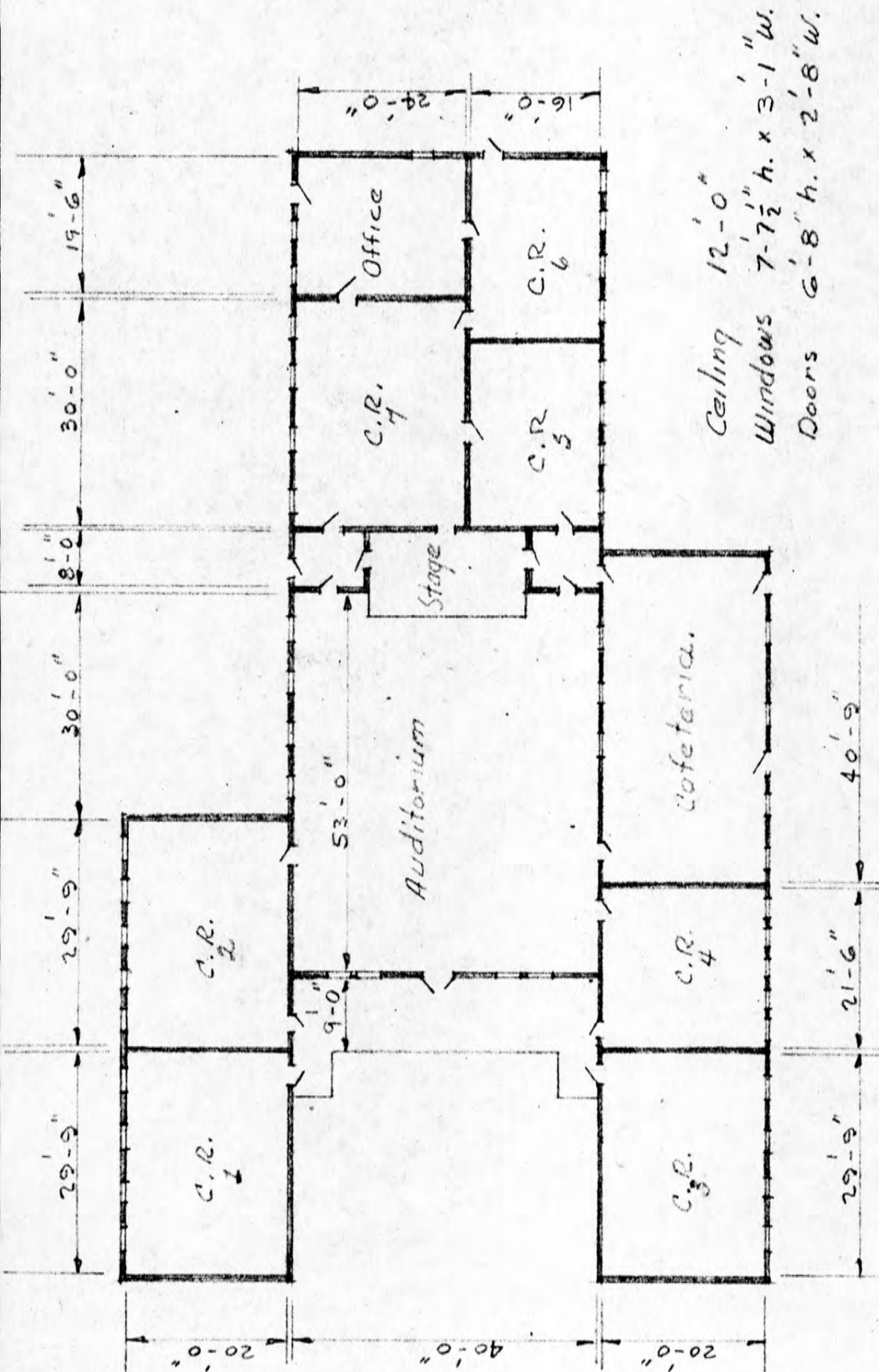
WINDOWS I.V.
 6'-6" W
 2'-8" W

DOORS I.V.
 7'-0" W
 3'-0" W

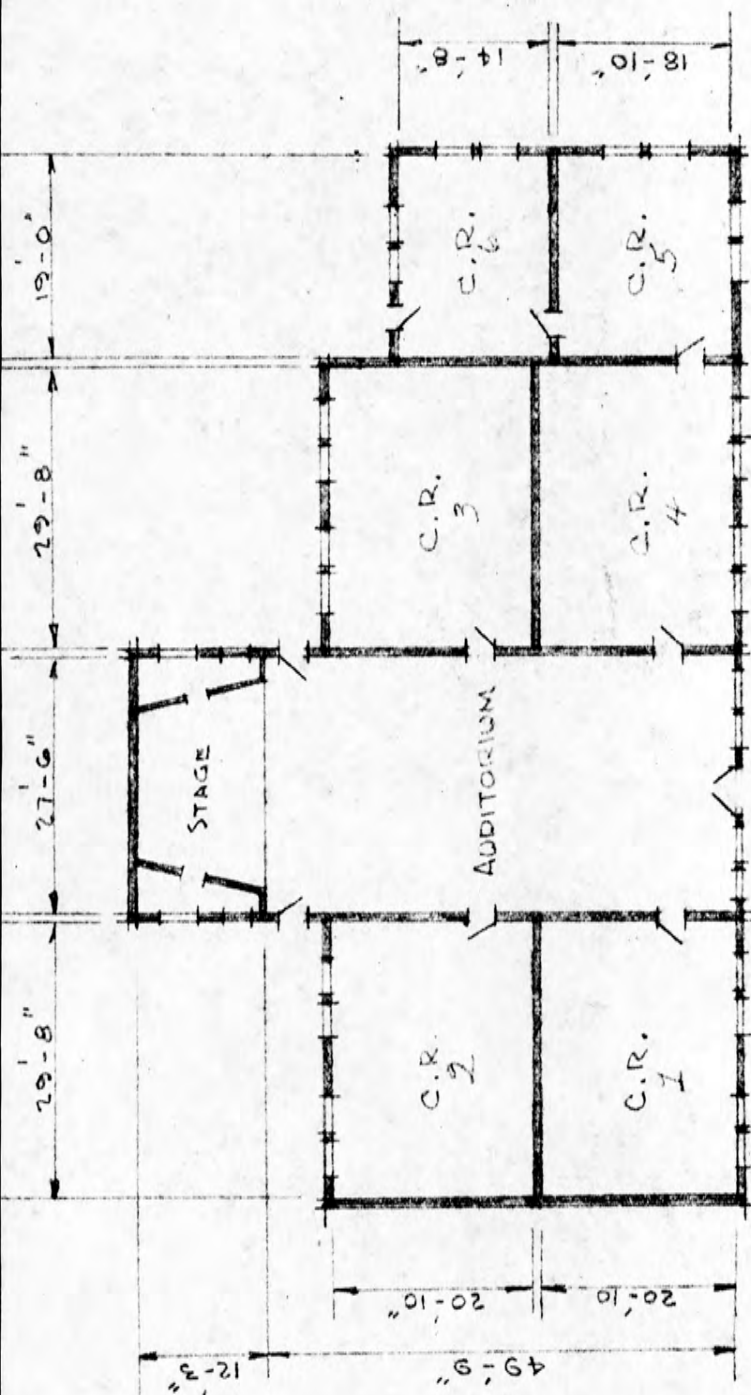
CEILING I.V.
 11'-10"

CARLOS SCHOOL

SCALE 1" = 20'-0"



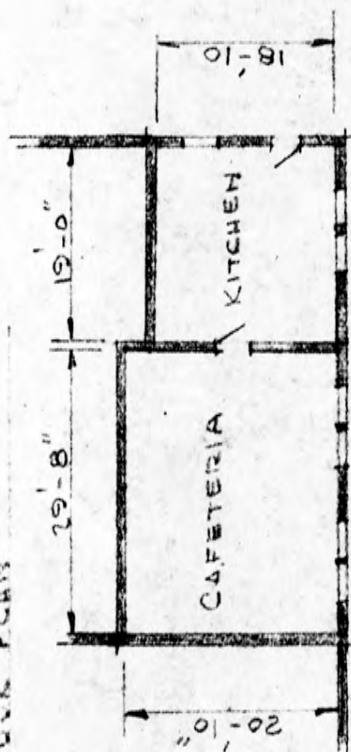
HILLS VIEW SCHOOL
SCALE 1" = 20'-0"



FIRST FLOOR PLAN

WINDOWS
8'-6" H. x 4'-0" W.
DOORS
7'-0" H. x 3'-0" W.
CEILING
11'-10"

N.



BASEMENT

UNION GROVE SCHOOL

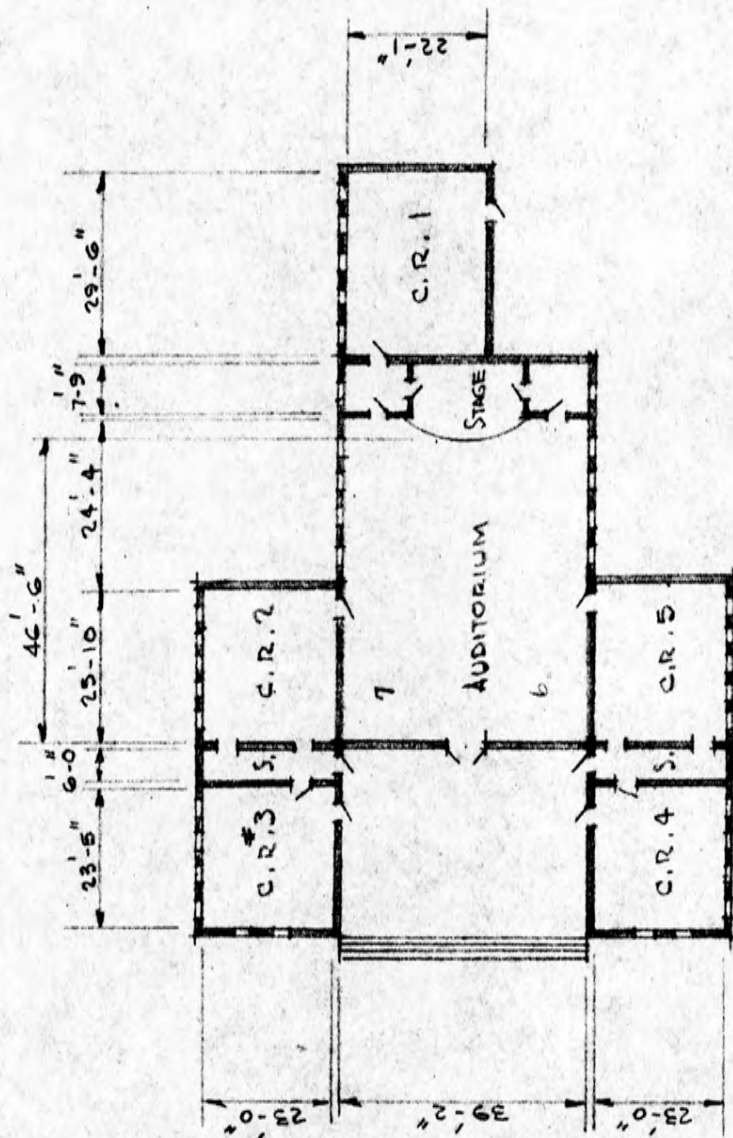
SCALE 1" = 20'-0"

W.P.

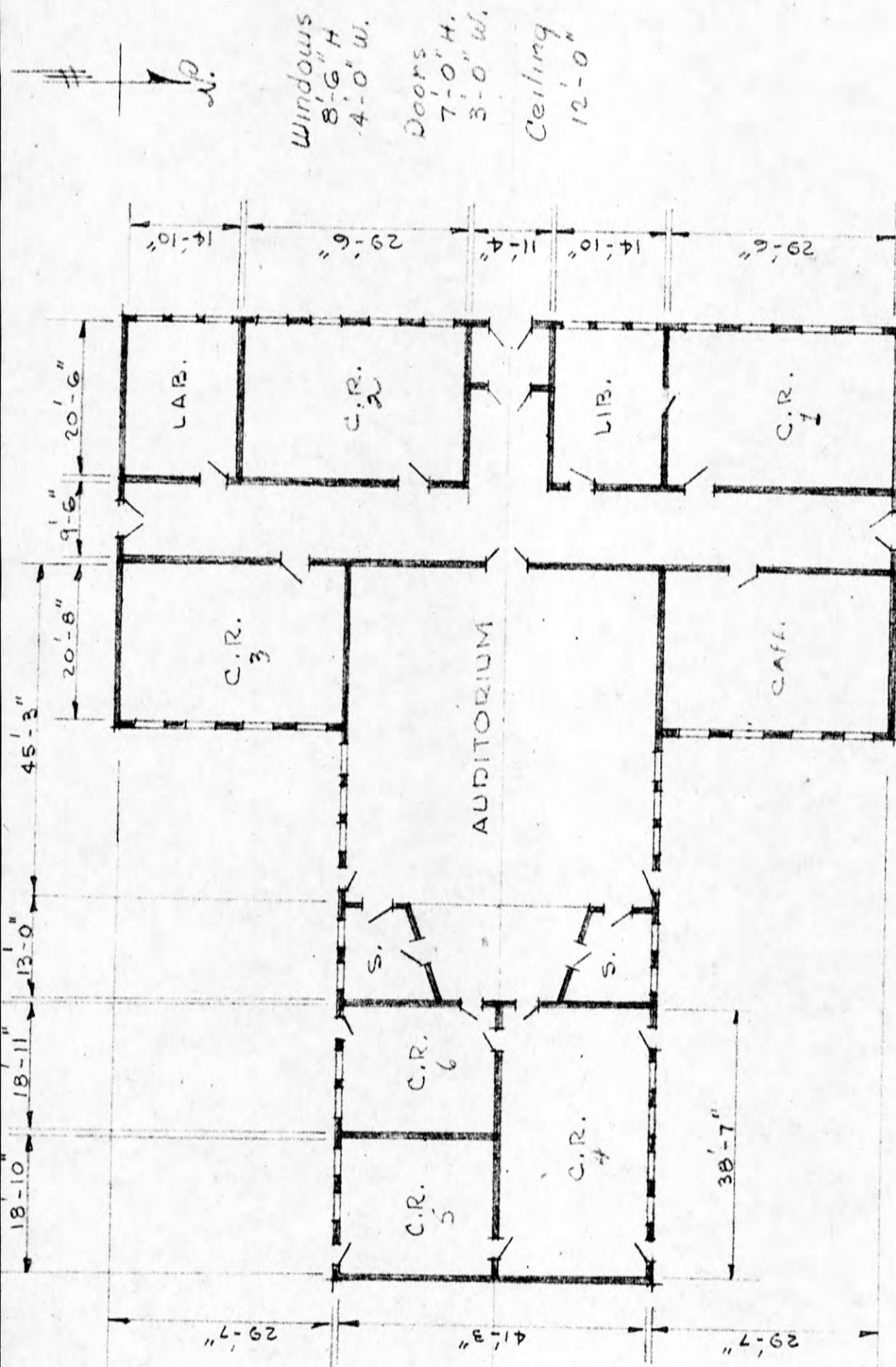
WINDOWS
7'-7" H. x 3'-1" W.
DOORS
6'-10" H. x 2'-11" W.
CEILING
13'-0"

Note:

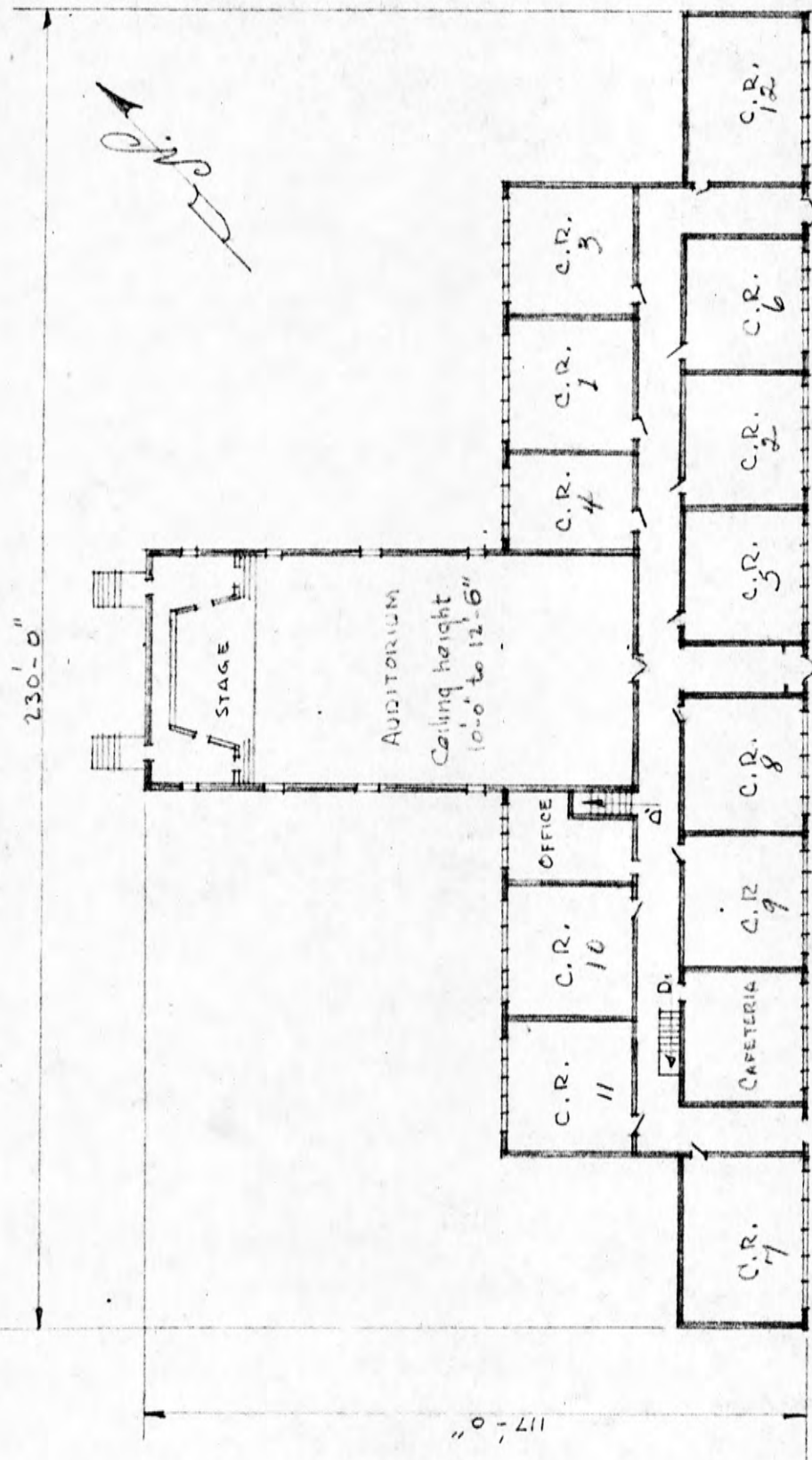
Cafeteria is
located under
C.R. #3, & is the
same dimension.



Idlewild School
SCALE 1" = 30'-0"



CLAXTON JR. HIGH SCHOOL
SCALE 1" = 20'-0"



Note: Classroom Ceiling height 12'-6"

NIOTA GRADE SCHOOL

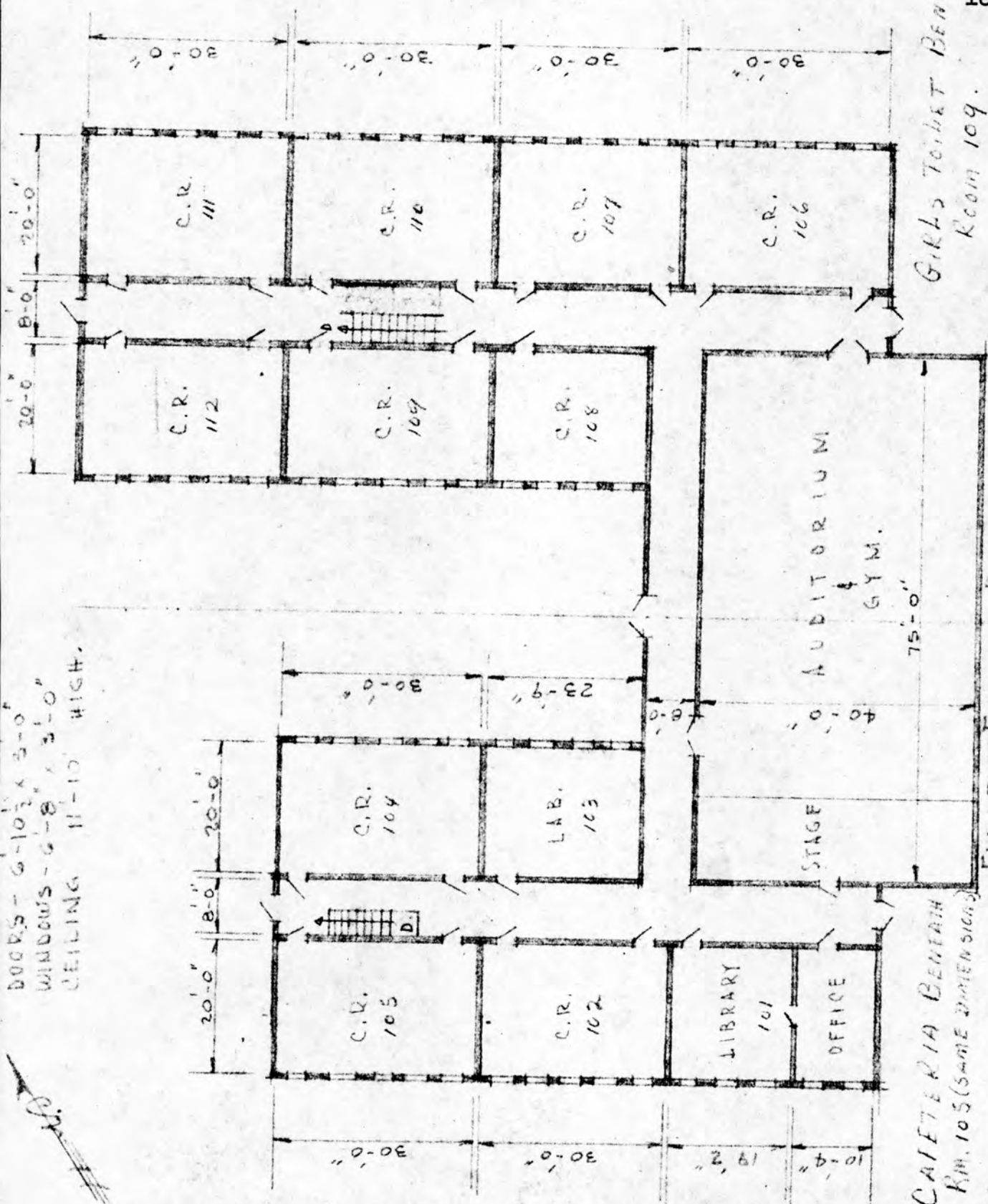
NIOTA, TENN.

SCALE 1" = 30'-0"

NOTE: GIRLS TOILET UNDER CAFETERIA.
BOYS TOILET UNDER OFFICE

DOORS 6'-0" X 3'
WINDOWS 4'-4" X 3'

DOORS - 6-10 1/2 x 3-0
 WINDOWS - 6-8 x 3-0
 CEILING 11-10 HIGH.



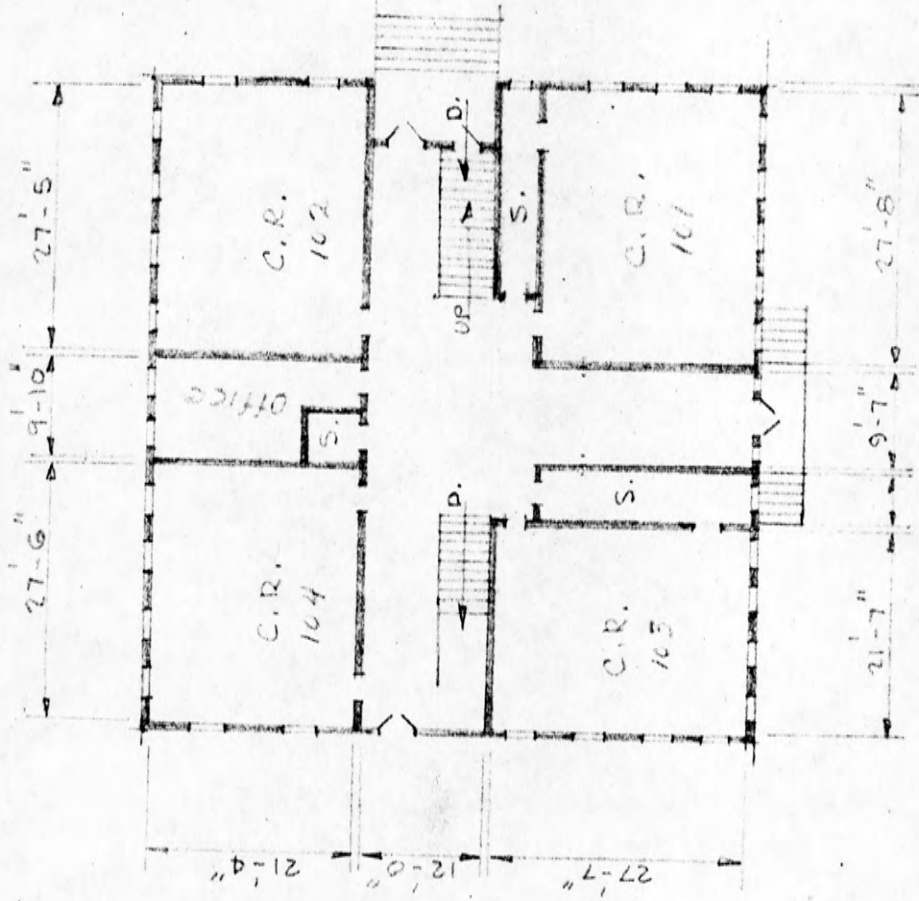
CAFETERIA BENTON
 RM. 105 (SAME DIMENSIONS)

Boys Toilet Beneath
 Room 104.

Girls Toilet Beneath
 Room 109.

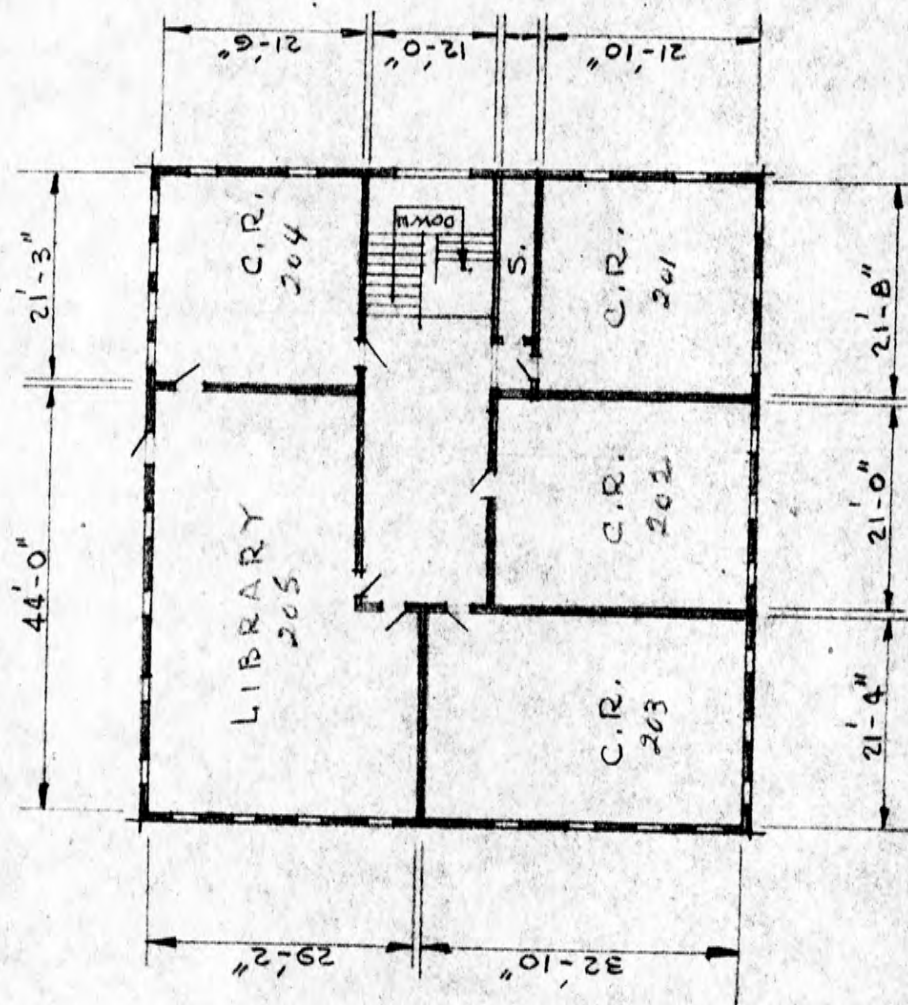
FIRST FLOOR PLAN
 RICEVILLE SCHOOL
 SCALE 1" = 20'-0"

Windows.
 6'-9" h. x 3'-4" w.
Doors.
 7'-0" h. x 3'-2" w.
Ceiling.
 11'-9"



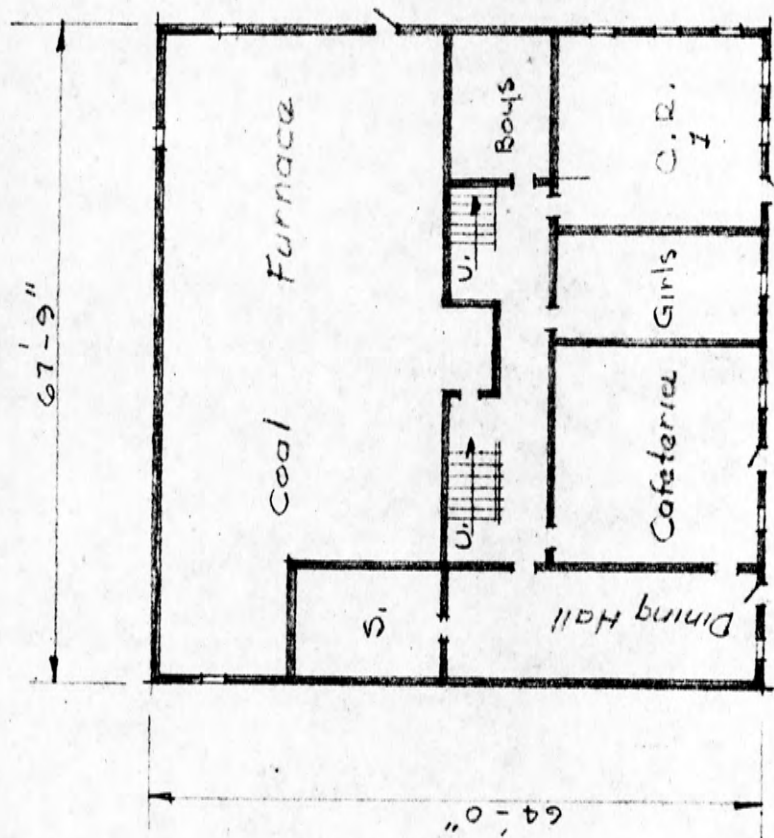
FIRST FLOOR.

CALHOUN HIGH SCHOOL
 SCALE 1" = 20'-0"



SECOND FLOOR

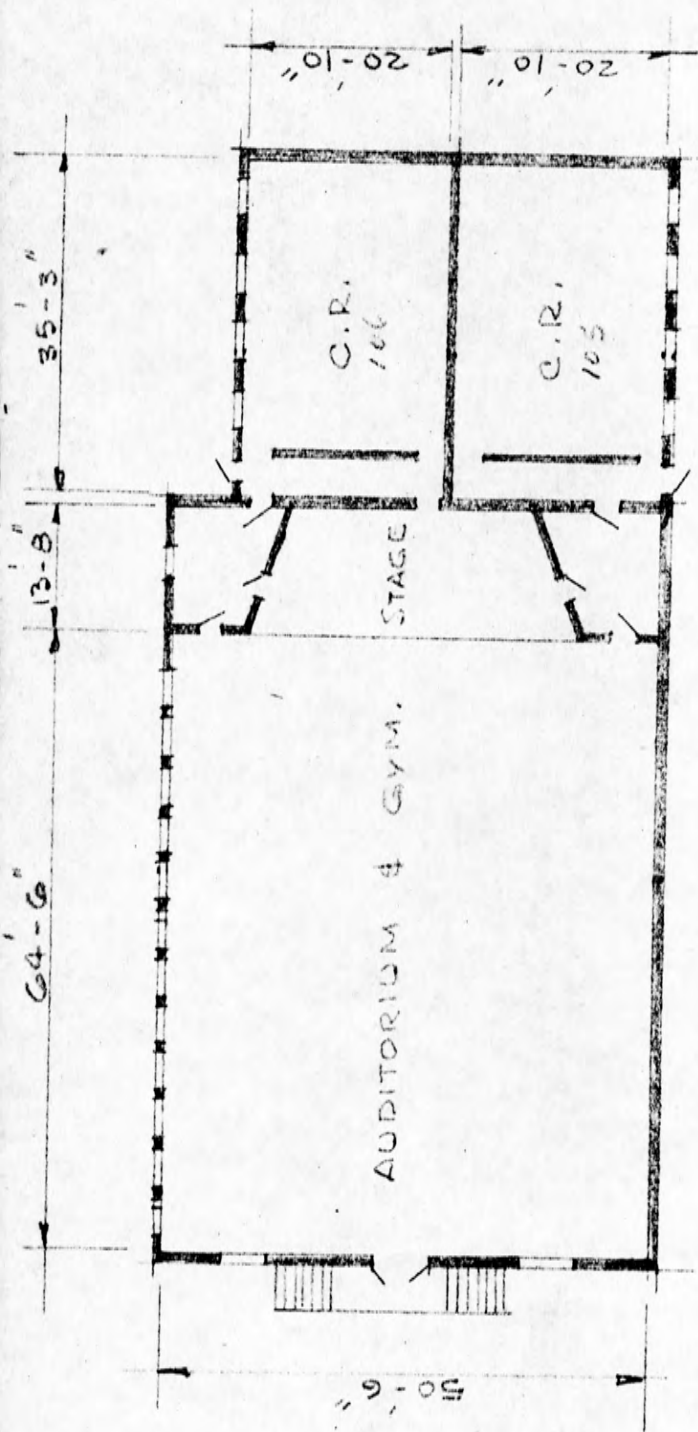
CALHOUN HIGH SCHOOL
SCALE 1" = 20'-0"



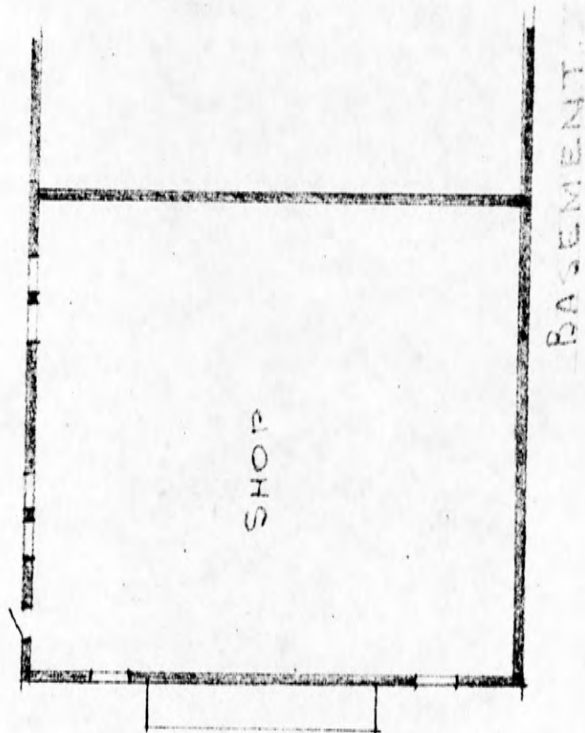
BASEMENT

CALHOUN HIGH SCHOOL

SCALE 1" = 20'-0"



FIRST FLOOR



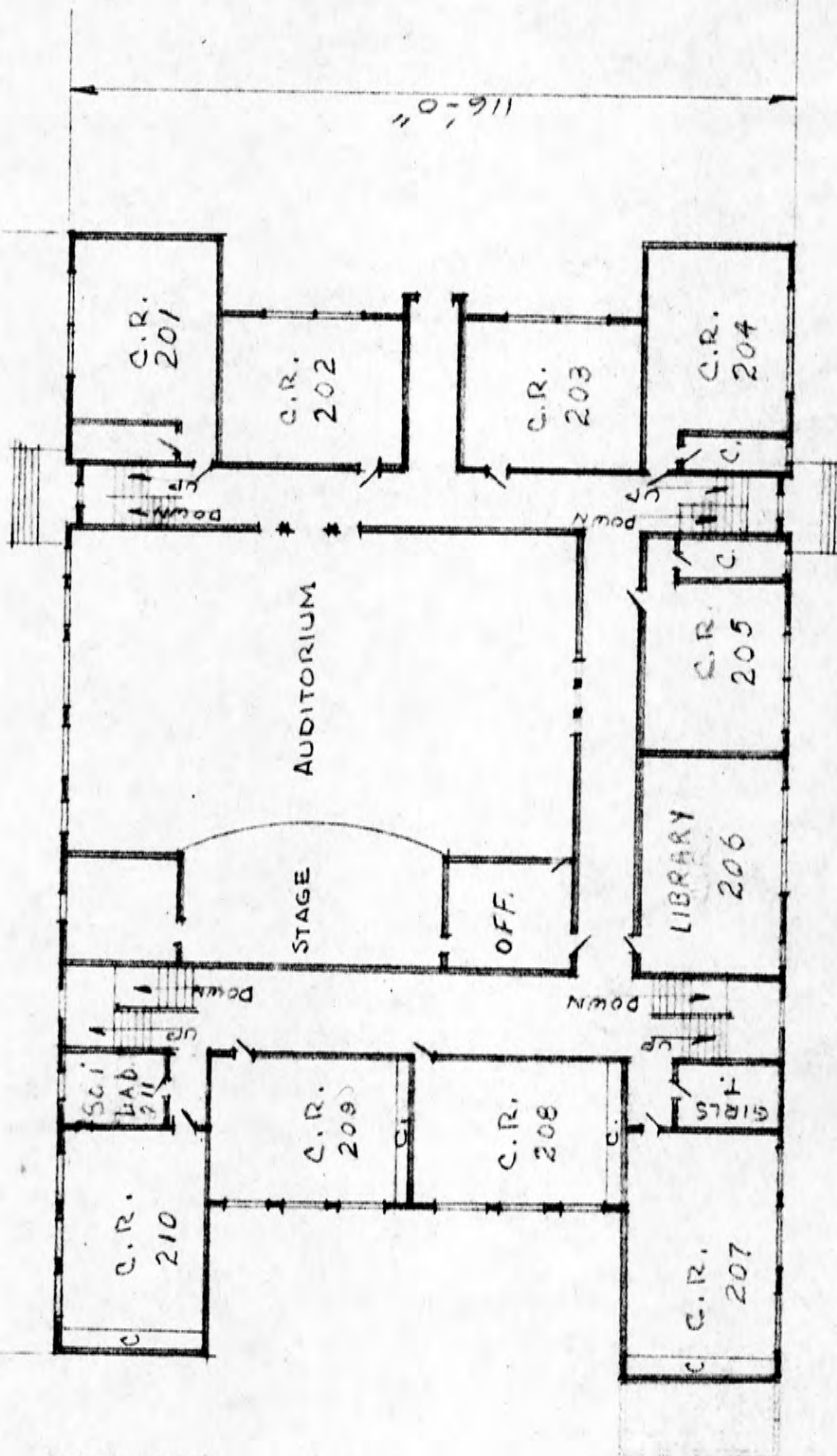
CALHOUN HIGH SCHOOL
SCALE 1" = 20'-0"

DOORS - 7' x 3'
 WINDOWS - 6'8" x 6'11" (NEW)
 CEILING HEIGHT - 12'-3"

175'-0"

110'-9 1/2"

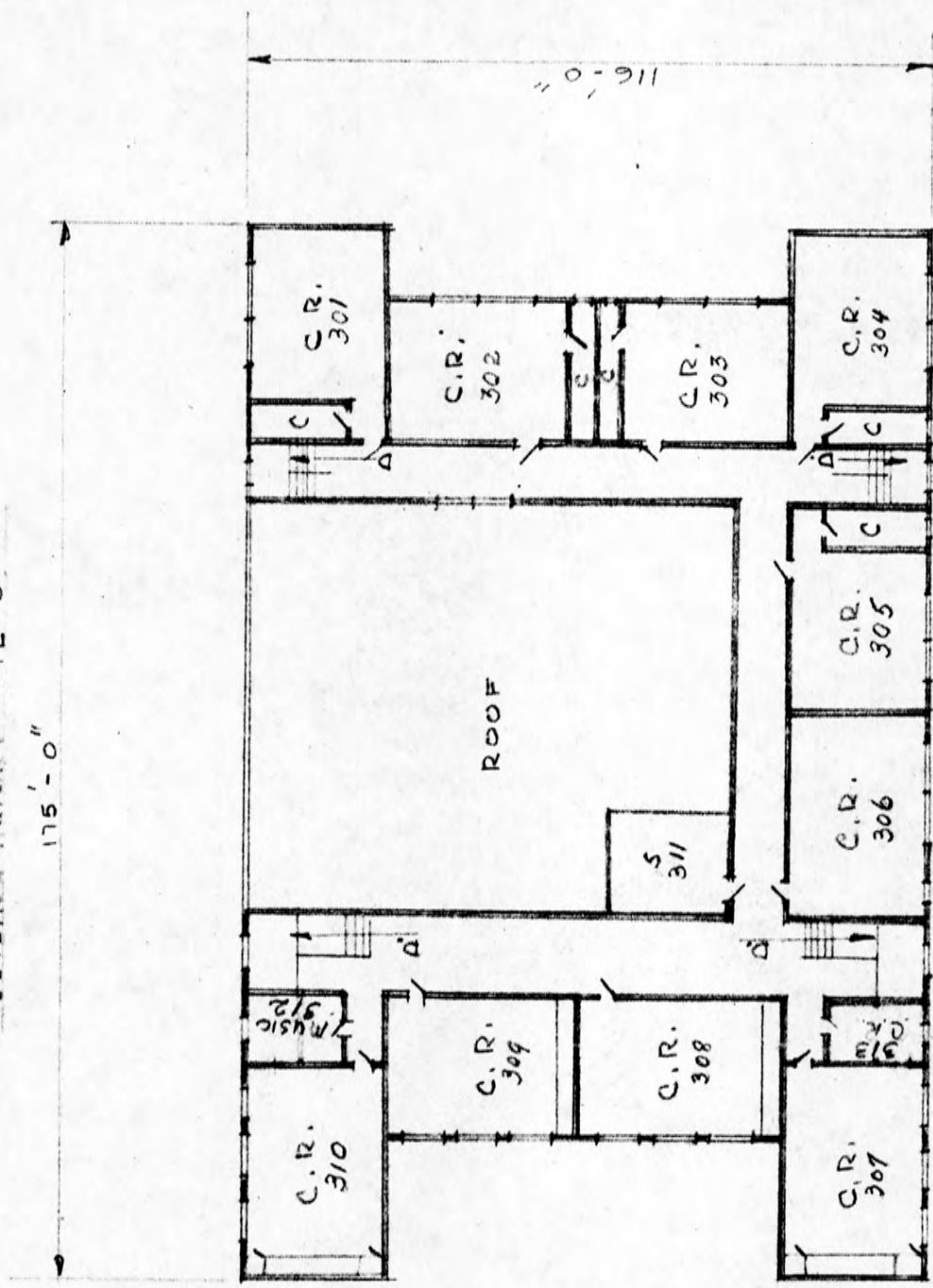
Roof



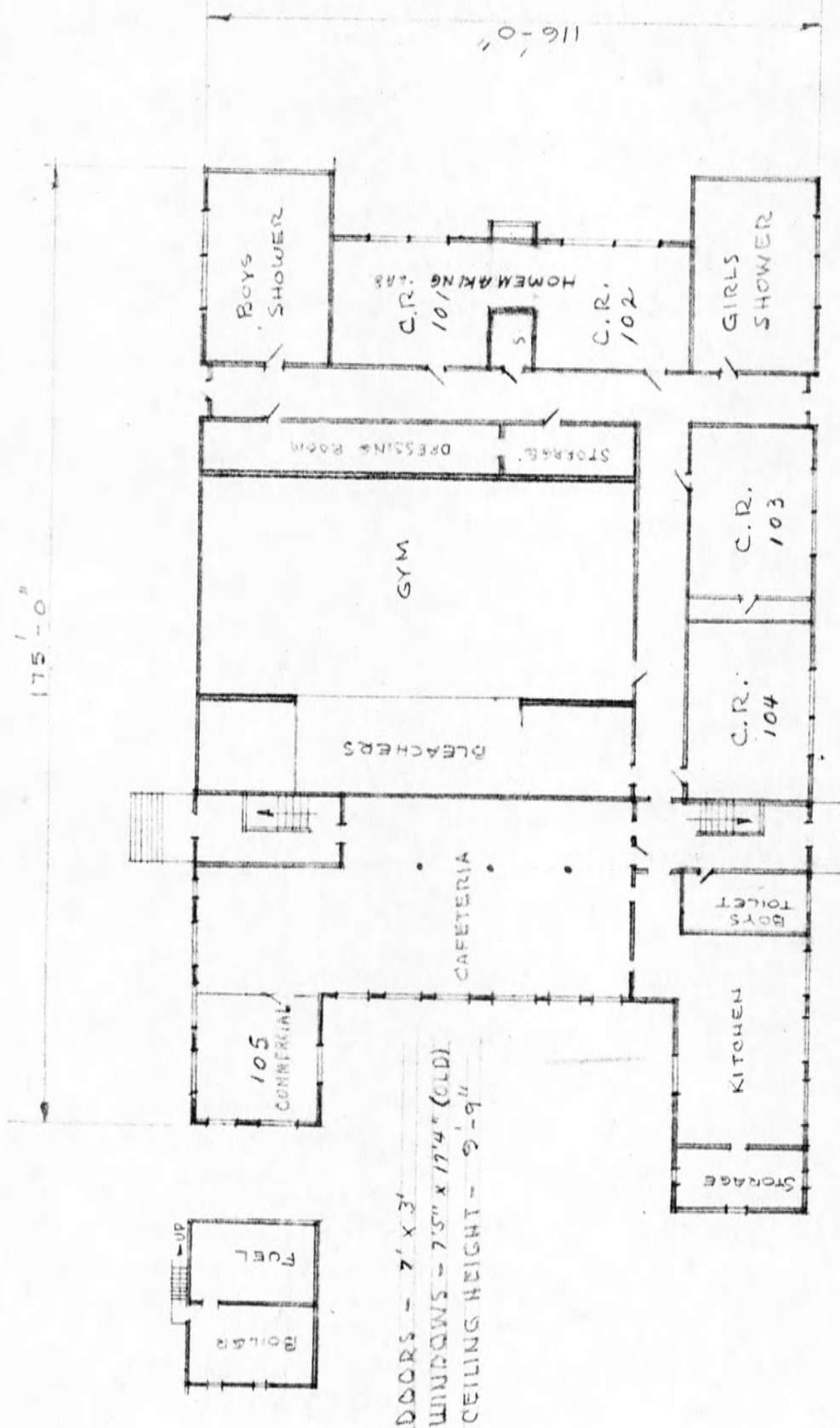
ENGLEWOOD SCHOOL
 FIRST FLOOR PLAN

SCALE 1" = 30'-0"

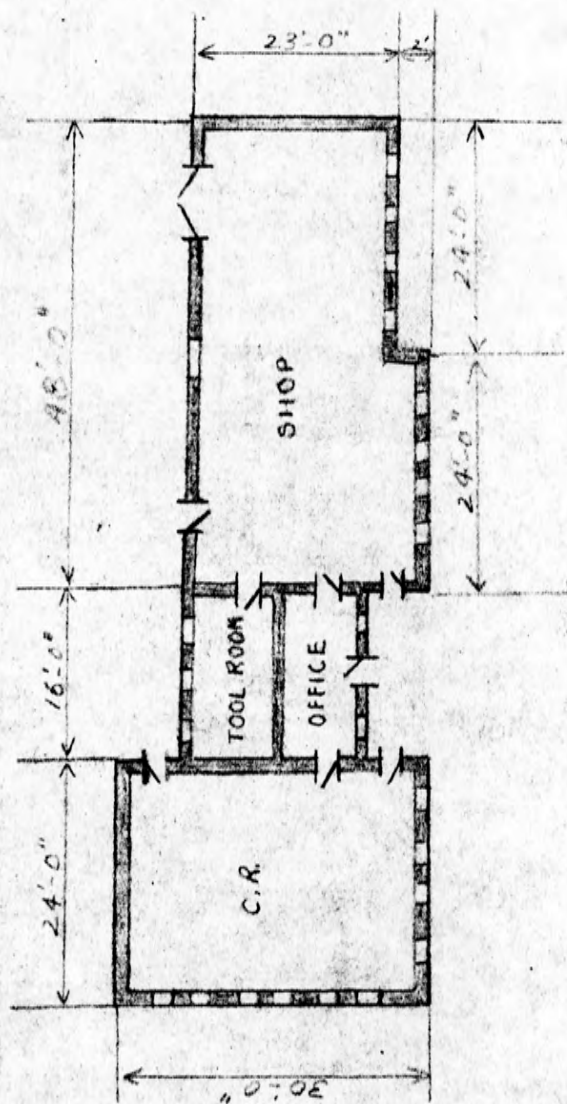
DOORS - 7' x 3'
 WINDOWS - 6'3" x 6'11" (NEW)
 CEILING HEIGHT - 12'-0"



ENGLEWOOD SCHOOL
 SECOND FLOOR PLAN
 SCALE 1" = 30'-0"



ENGLEWOOD SCHOOL
BASEMENT

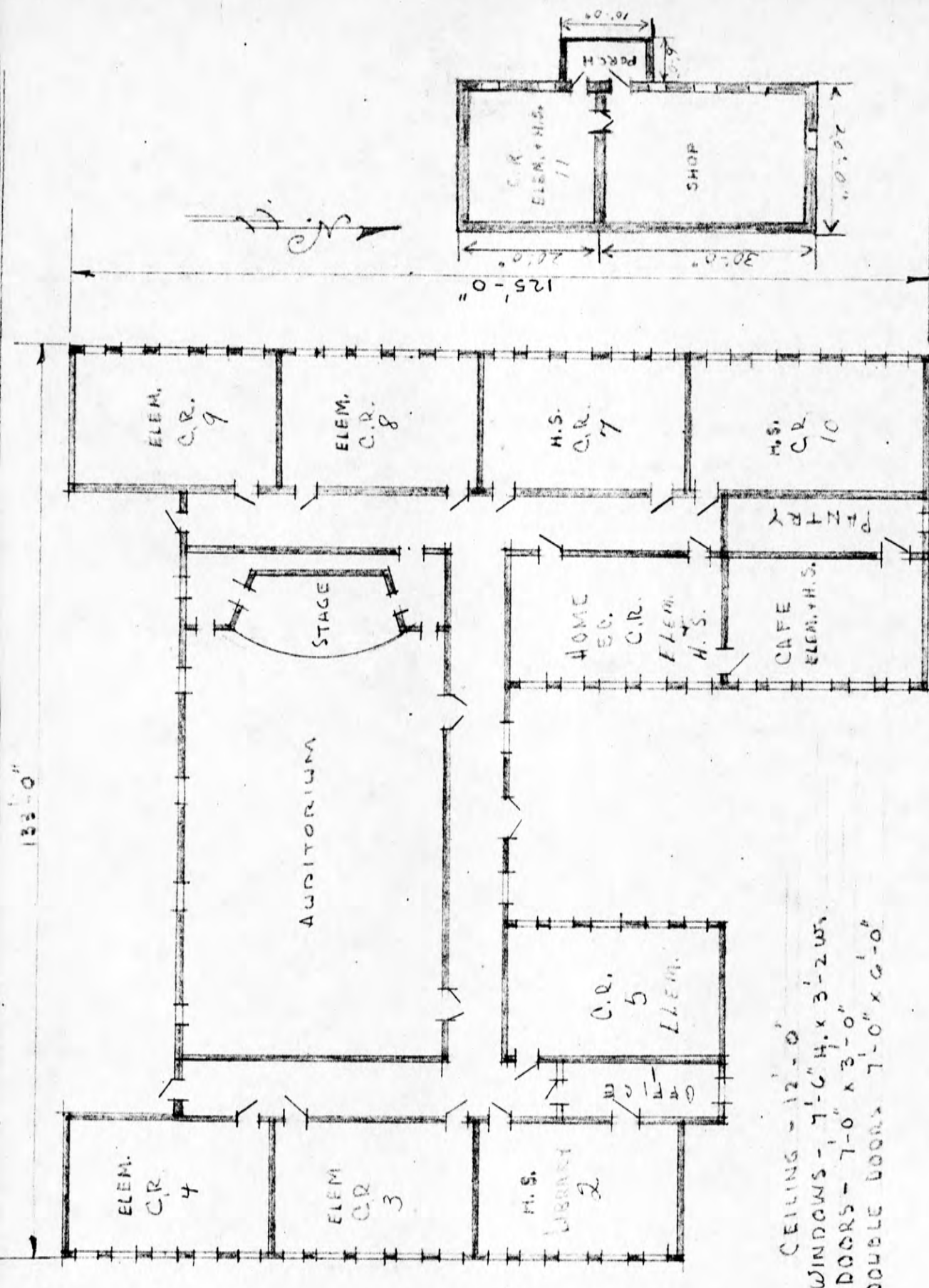


DOORS - 7'-0" H. x 3'-0" W.
 WINDOWS - 5'-0" H. x 3'-4" W.
 CEILING - 9'-6"

ENGLEWOOD SCHOOL

AGRICULTURE BUILDING

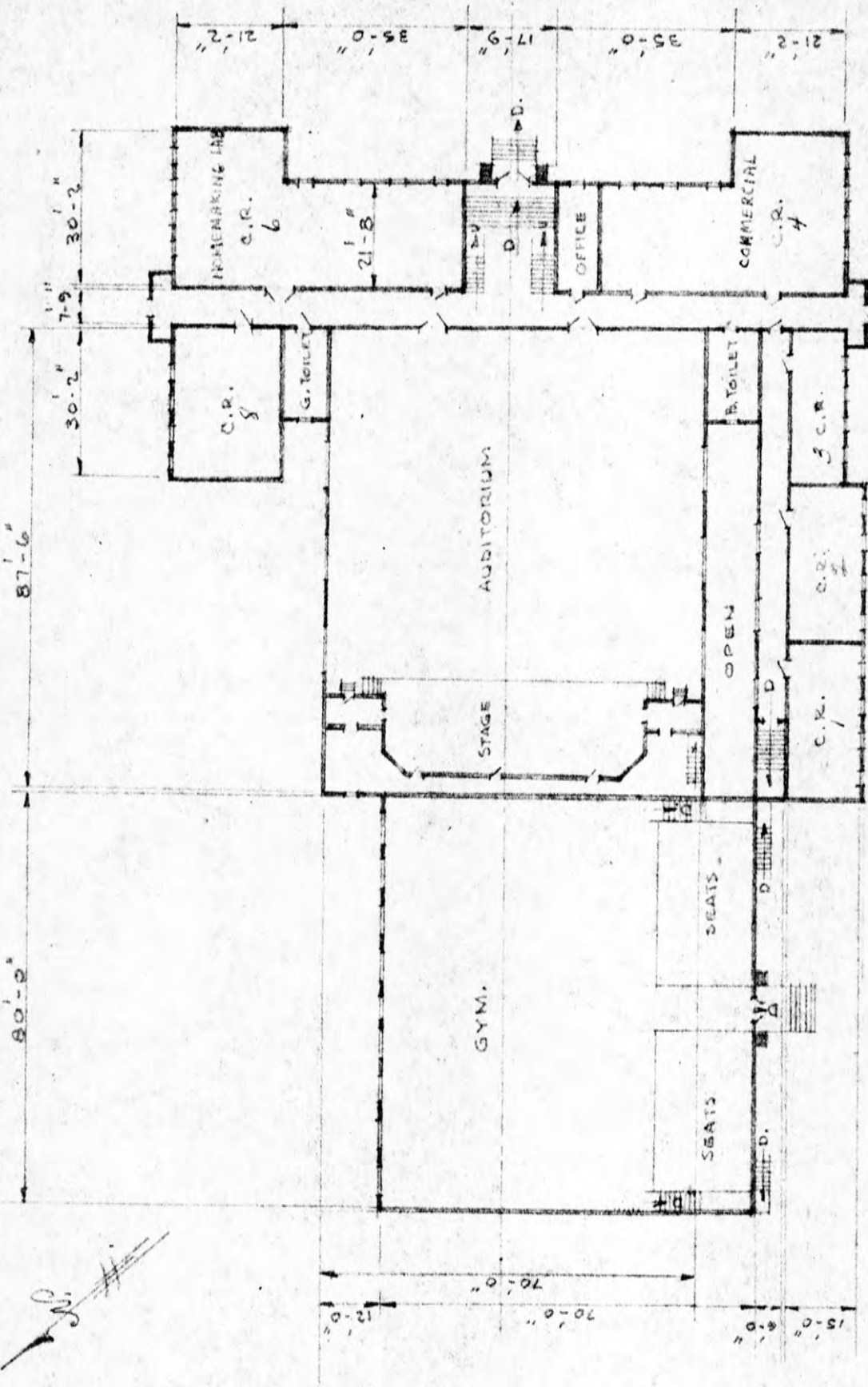
SCALE 1" = 20'-0"



CEILING - 12'-0"
 WINDOWS - 7'-6" H. x 3'-2" W.
 DOORS - 7'-0" x 3'-0"
 DOUBLE DOORS 7'-0" x 6'-0"

COOK HIGH SCHOOL
 SCALE 1" = 20'-0"

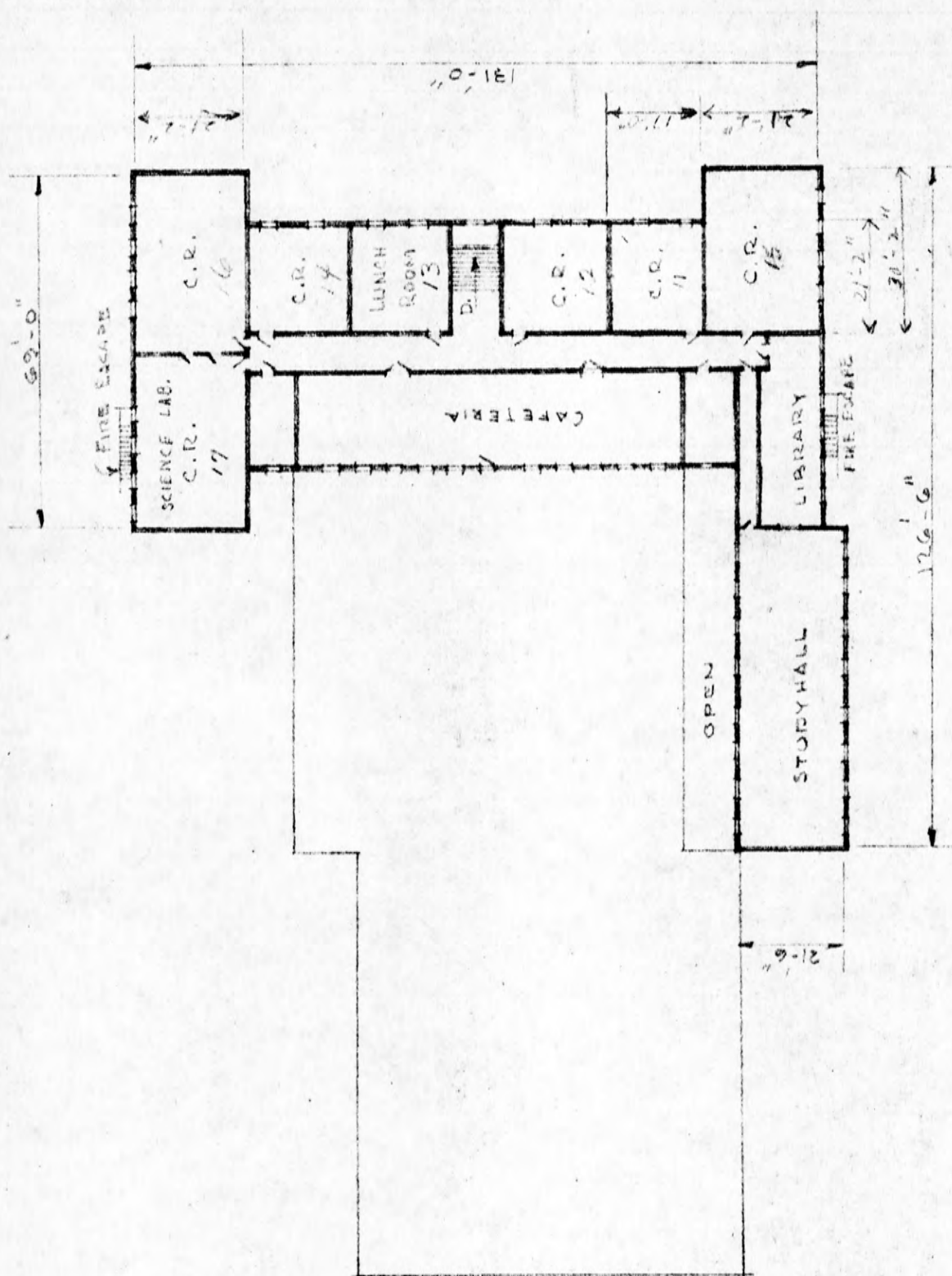
Handwritten signature/initials



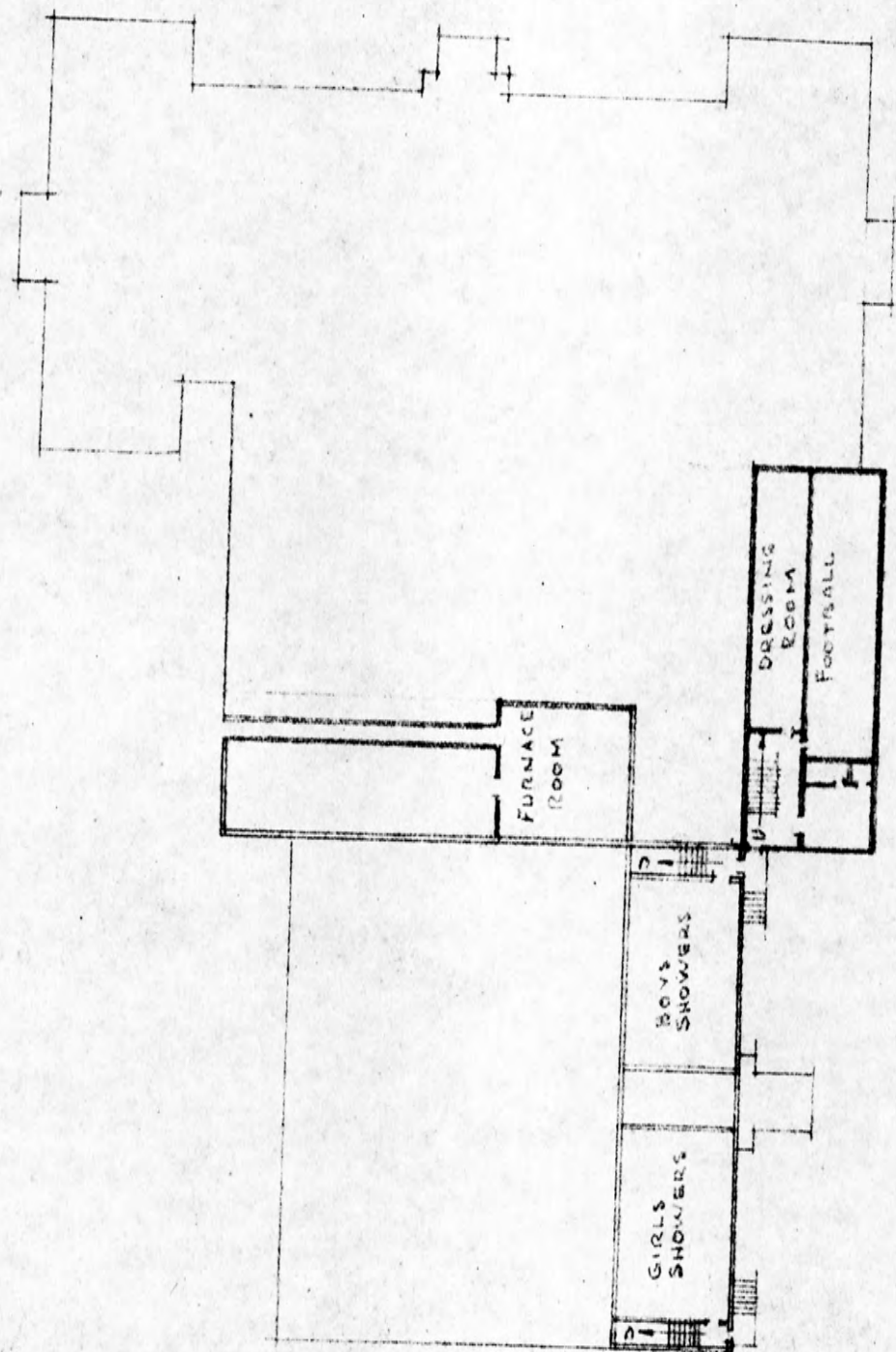
DOORS - 7'-0" X 3'-0"
 WINDOWS - 7'-8" H. X 3'-2" W.
 CEILING HEIGHT - 11'-11"

FIRST FLOOR PLAN
 ETOWAH HIGH SCHOOL

SCALE 1" = 30'-0"

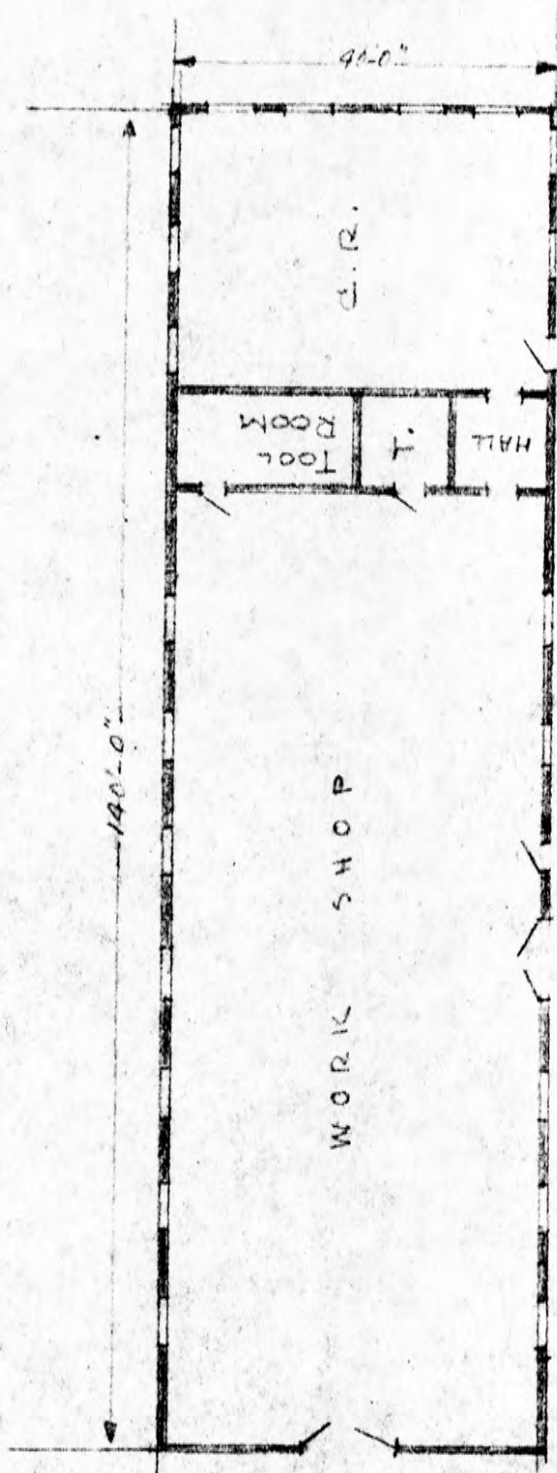


SECOND FLOOR PLAN
ETAWAN HIGH SCHOOL
SCALE 1" = 30'-0"



BASEMENT PLAN
LIOWAN HIGH SCHOOL

SCALE 1" = 30'-0"



DOORS - 6'-8" H. x 2'-10" W.
10'-0" H. x 10'-0" W.

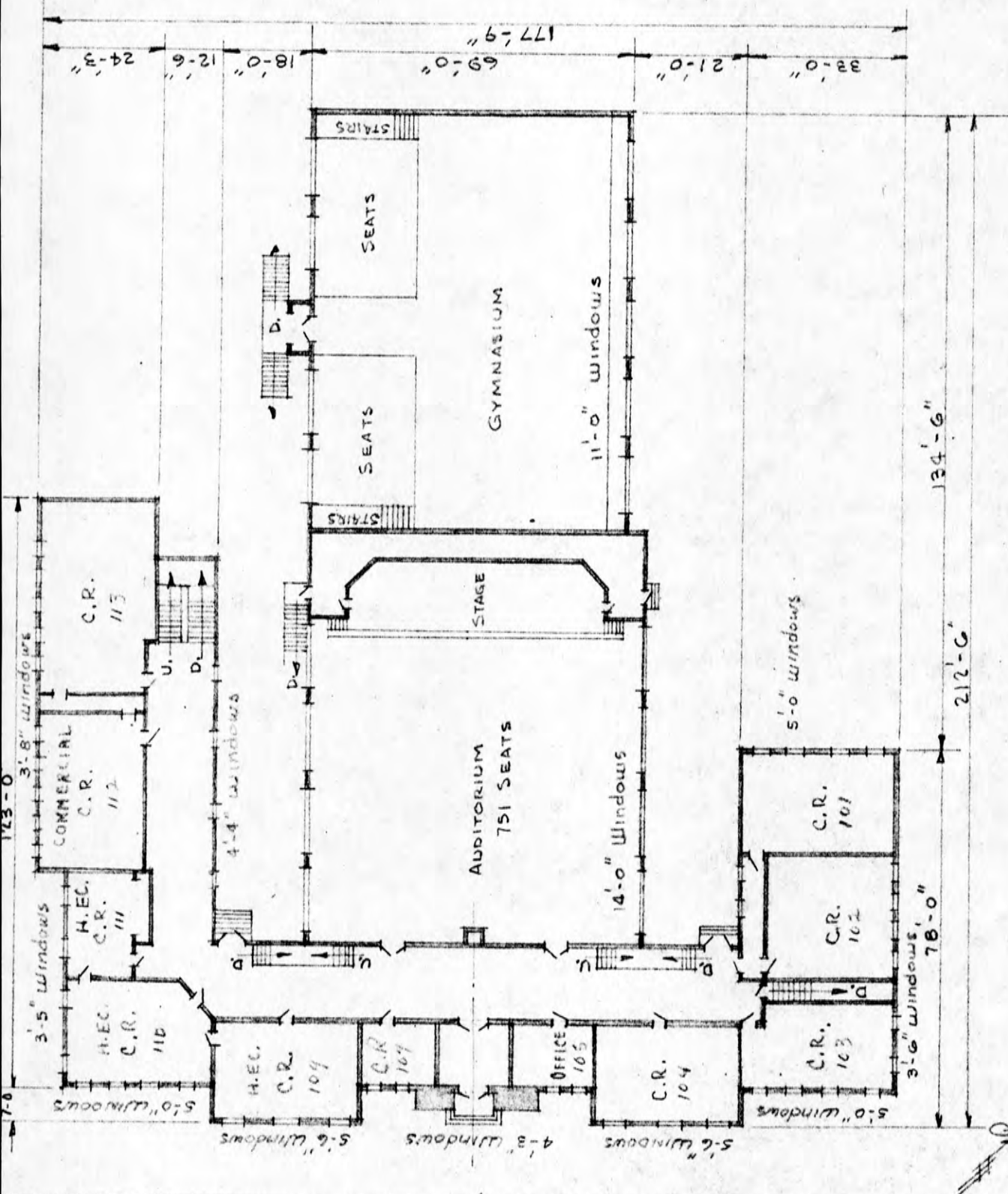
WINDOWS -
5'-5" H. x 5'-2" W.

CEILING - 11'-11"

AGRICULTURE BUILDING

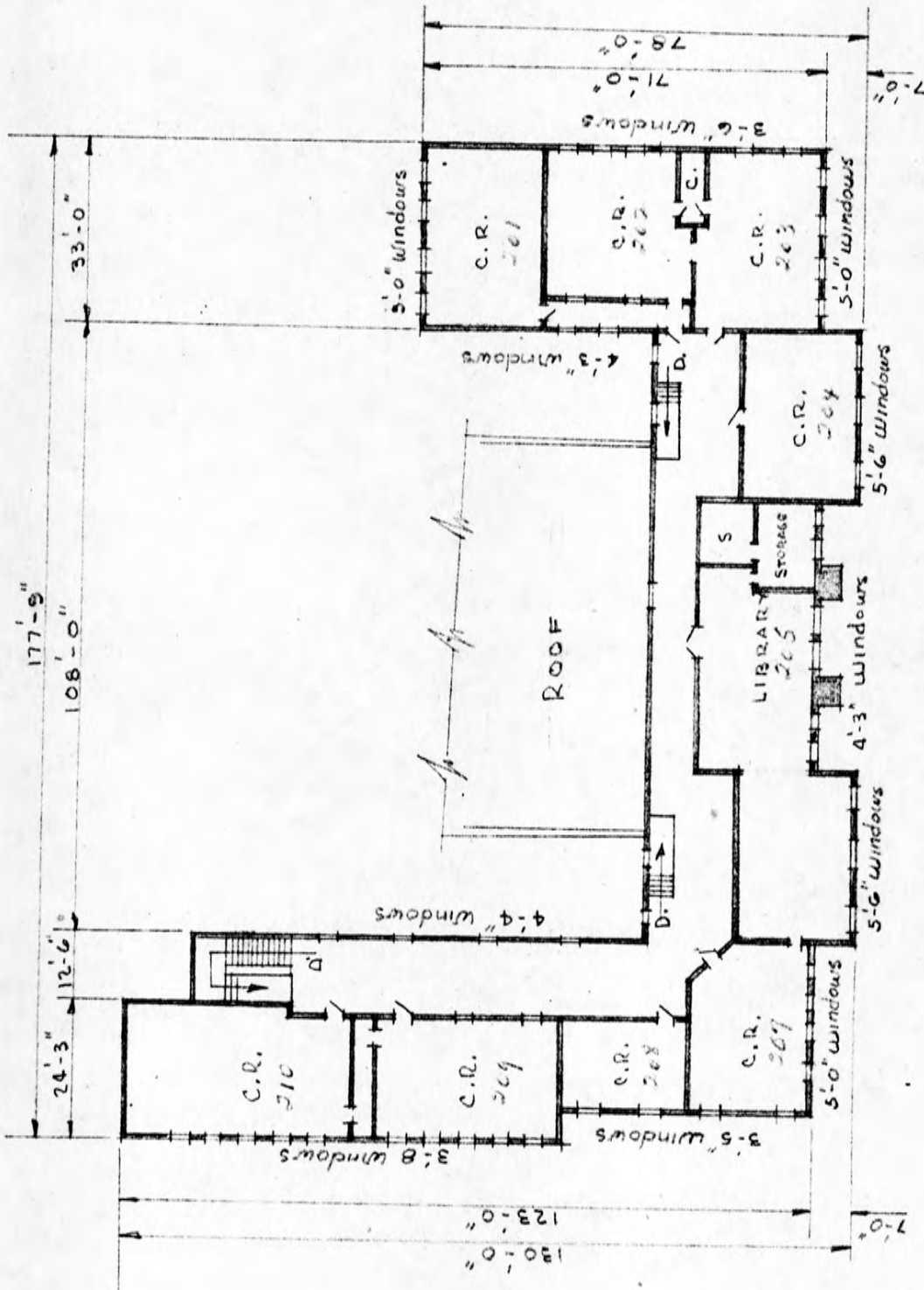
ETOWAH HIGH SCHOOL

SCALE 1" = 20'-0"

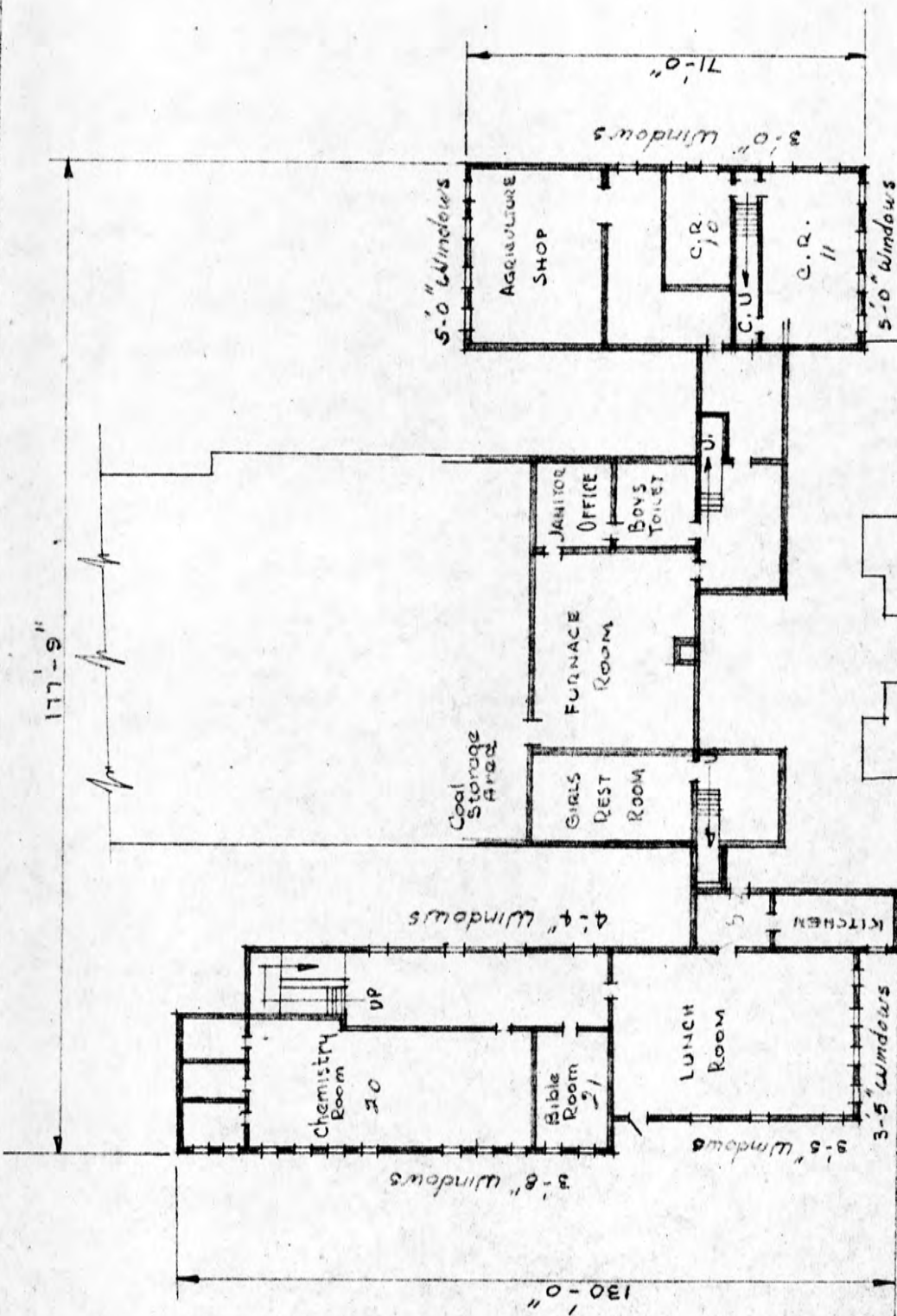


FIRST FLOOR PLAN

M^CMINN COUNTY HIGH SCHOOL
SCALE 1" = 30'-0"



SECOND FLOOR PLAN
 McMINN COUNTY HIGH SCHOOL
 SCALE 1"=30'-0"



BASEMENT PLAN
 McMINN COUNTY HIGH SCHOOL
 SCALE 1" = 30'-0"